LG

PLASMA TV
SERVICE MANUAL

CHASSIS : AF-044C

MODEL : 42PX3DBV   42PX3DBV-UC
42PX3DLV   42PX3DLV-UC

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.

SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.

It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.

Do not modify the original design without permission of manufacturer.

General Guidance

An **Isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitary that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the same specified type.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on positioin, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.

When the exposed metal has no return path to the chassis the reading must be infinite.

An-other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each esposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.

In case any measurement is out of the limits sepcified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit
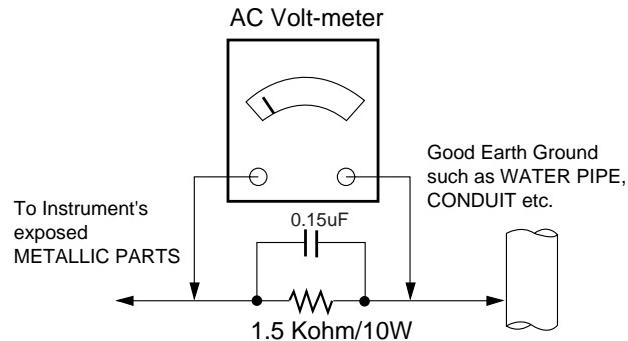
CANADA: LG Electronics Canada, Inc. 550 Matheson Boulevard East Mississauga, Ontario L4Z 4G3

USA : LG Customer Interactive Center P.O.Box 240007, 201 James Record Road Huntsville, AL 35824 Digital TV Hotline 1-800-243-0000

TABLE OF CONTENTS

DESCRIPTION OF CONTROLS

Controls

- This is a simplified representation of front panel.
  Image shown may be somewhat different from your TV.

Front Panel Controls

CHANNEL (▼, ▲) Buttons

VOLUME (◄ , ►) Buttons

ENTER Button

MENU Button

TV/VIDEO Button

POWER Button

Remote Control Sensor

Power Standby Indicator
Illuminates red in standby mode, Illuminates
green when the TV is turned on.
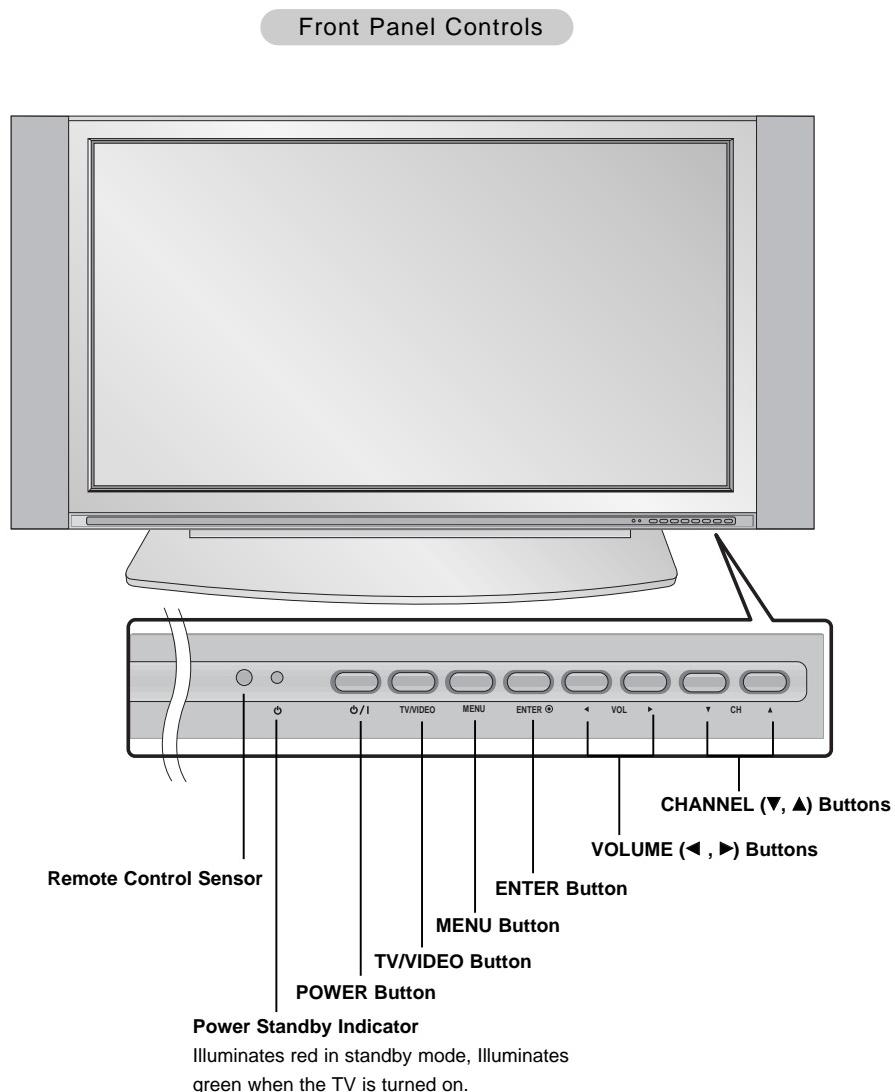
DESCRIPTION OF CONTROLS

Connection Options

Back Connection Panel

S-VIDEO Input
A connection available to provide better picture quality than the video input.

VIDEO Input
Connects the video signal from a video device.

AUDIO Input
Use to connect to hear stereo sound from an external device.

Remote Control Port
Connect your wired remote control here.

DVI Input/Audio Input/RGB Input
Connect the monitor output connector from a PC to the appropriate input port.

### DVD/DTV Input (Component 1-2)
Connect a component video/audio device to these jacks.

S-Video Input
Connect S-Video out from an S-VIDEO device to the S-VIDEO input.

Digital Audio (DVI: Digital Visual Interface/Component1) Input/ Digital Audio Output
Connect digital audio from various types of equipment. Note: In standby mode, these ports will not work.

RS-232C INPUT (CONTROL/SERVICE) PORT
Connect to the RS-232C port on a PC.

Audio/Video Input 1
Connect audio/video output from an external device to these jacks.

Antenna Inputs
Connect cable or antenna signals to the TV, either directly or through your cable box.

Power Cord Socket
This TV operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the TV on DC power.

DESCRIPTION OF CONTROLS

Remote Control Key Functions

- When using the remote control, aim it at the remote control sensor on the TV.

COMP/RGB/DVI
Selects: Component 1-2, RGB-DTV (or RGB-PC), DVI-DTV (or DVI-PC) input sources.

MODE
Selects the remote operating mode: TV, DVD, VCR, AUDIO, CABLE or STB. Select a mode other than TV, for the remote to operate an external device.

MENU
Brings up the main menu to the screen.

EXIT
Clears all on-screen displays and returns to TV viewing from any menu.

SAP
Selects MTS sound: Mono, Stereo, and SAP in Analog mode. Change the audio language in DTV mode.

MUTE
Switches the sound on or off.

EZ PIC
Selects a factory preset picture mode depending on the viewing environment.

TV/VIDEO
External input modes rotate in regular sequence: Antenna, Cable, Video, Front Video, Component 1-2 and RGB-DTV (or RGB-PC) input sources.
(Video, Front Video, Component 1-2 input sources are linked automatically, only if these are connected)

RATIO
Changes the aspect ratio.

TIMER
Lets you select the amount of time before your TV turns itself off automatically.

SURF
Scrolls the Favorite channels.

FLASHBK
Tunes to the recent channels.

FREEZE
Freezes the currently-viewed picture. Main picture is frozen.

DESCRIPTION OF CONTROLS

POWER
Turns your TV or any other programmed equipment on or off, depending on mode.

INFO
When you watch the TV, information displays on top of the screen. Not available in Component 1-2 and RGB mode.

THUMBSTICK (Up/Down/Left/Right/ENTER)
Allows you to navigate the on-screen menus and adjust the system settings to your preference.

CC
Select a closed caption: Off, CC1~4, Text1~4.

VOLUME UP/DOWN
Increases/decreases the sound level.

EZ SOUND
Selects the sound appropriate for the program's character.

ADJUST
Adjusts screen position, size, and phase in PC mode.

VCR/DVD BUTTONS
• Control some video cassette recorders or DVD players. ("RECORD" button is not available for DVD players.)

CHANNEL UP/DOWN
Selects available channels found with EZ scan.
PAGE UP/PAGE DOWN
Moves from one full set of screen information to the next one.

NUMBER buttons

XD
Switches the XD function on or off.

LIGHT
Illuminates the remote control buttons of selected mode.

SPECIFICATIONS

MODEL	42PX3DBV-UC/42PX3DLV-UC
Width (inches / mm)	47.6 / 1210
Height (inches / mm)	27.6 / 701
Depth (inches / mm)	11.6 / 295
Weight (pounds / kg)	66.1 / 30
Resolution	852 x 480 (Dot)
Power requirement	AC100-240V ~ 50/60Hz
Television System	NTSC-M, ATSC, 64 & 256 QAM
Program Coverage	VHF 2 ~ 13, UHF 14 ~ 69, CATV 1 ~ 125, CADTV 1 ~ 135. DTV 2 ~ 69
External Antenna Impedance	75 Ω
Operating Temperature Range	32 ~ 104°F (0 ~ 40°C)
Operating Humidity Range	Less than 80%

- The specifications shown above may be changed without prior notice for quality improvement.

ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions are applied to all of the PDP TV, AF-044C.

2. Notes

(1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instrument.

(2) Adjustments must be done in the correct order.

(3) The adjustments must be performed in the circumstance of 25±5°C of temperature and 65±10% of relative humidity if there is no specific designation.

(4) The input voltage of the receiver be must kept 110V, 60Hz when adjusting.

(5) The receiver must be operational for about 15 minutes prior to the adjustments.

    1) After receiving 100% white pattern, the receiver must be operated prior to adjustment. (Or 5. White Pattern condition in EZ - Adjust)

    2) Enter into White Pattern
      - Enter the Ez - Adjust by pressing ADJ Key on Service Remote Control (S R/C).
      - Select the 5. White Pattern using CH +/- Key and press the Enter(■) Key.
        Display the 100% Full White Pattern.

    ※ Set is activated HEAT-RUN without signal generator in this mode.

If you turn on a still screen more than 20 minutes (Especially Digital pattern(13 CH), Cross Hatch Pattern), an afterimage may occur in the black level part of the screen.

3. EPLD Download
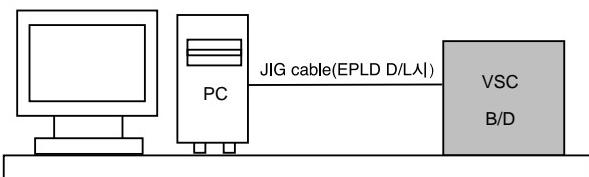
<Fig 1> Connection Diagram of EPLD Download

(1) Test Equipment: PC, Jig for download
(2) Connect the power of VSC B/D.
(3) Execute download program(   ) of PC.
(4) After executing execution hot key (Programmer), icon click
(5) End after confirming

## 4. SUB MICOM Download

4-1. Select the MICOM Model

Select the MICOM Model.(M16C/6H Group --> M306H3FC)

※ After setting, you need not set, again.

4-2. JIG Connection

Connection to the Micom Port on the TV Board.
(Spot of the red line(an arrow)is connected to the port 1.)

<MICOM JIG>

Connection the Computer

ADJUSTMENT INSTRUCTIONS

4-3. Program Download

3. When the program is clicked, appear the window as below
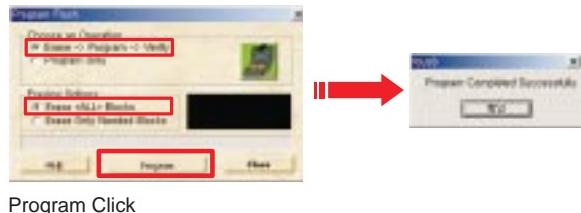
Program Click

1. In performing the Download program, if it rightly connects
   to the board, it is appeared as upper red box.
   And it is appeared as lower dialog box.
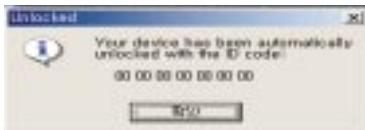
2. Click the OPEN to select the download program.
   So appear the dialog box.
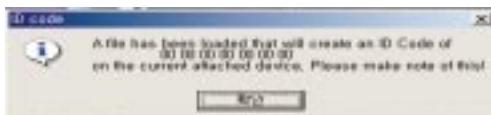
ADJUSTMENT INSTRUCTIONS

Each PCB Assy must be checked by Check JIG Set before assembly. (Especially, be careful Power PCB Assy which can cause Damage to the PDP Module.)

5. POWER PCB Assy Voltage Adjustment (Va, Vs Voltage Adjustment)

5-1. Test Equipment : D.M.M 1EA

5-2. Connection Diagram for Measuring
Refer to Fig 1.
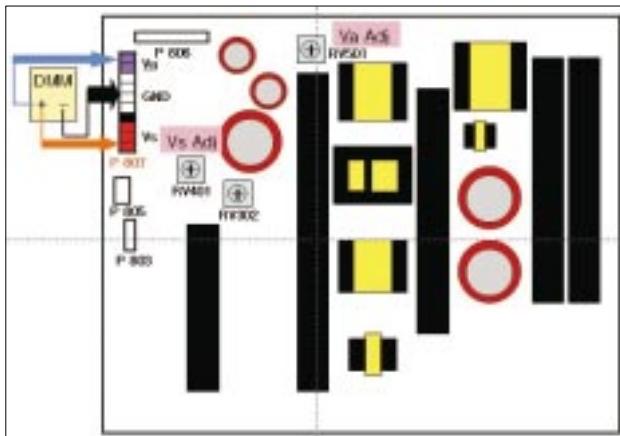
<Fig. 1> Connection Diagram of Power Adjustment for the Measuring (P/N: 6709V00010A)

5-3. Adjustment

(1) Va Adjustment
1) Connect + terminal of D.M.M to Va pin of P807 and connect – terminal to GND pin of P807.
2) Adjust RV501 voltage to match that of the label on the Top/Right of the panel. (Deviation : ±0.5V)

(2) Vs Adjustment
1) Connect + terminal of D.M.M to Vs pin of P807 and connect – terminal to GND pin of P807.
2) Adjust RV401 voltage to match that of the label on the Top/Right of the panel. (Deviation : ±0.5V)

6. EDID(The Extended Display Identification Data)/DDC (Display Data Channel) download

This is the function that enables "Plug and Play".

6-1. EDID DATA for DVI

• EDID for DVI (DDC (Display Data Channel) Data)
Block(0) EDID table =

```
    00  01  02  03  04  05  06  07  08  09  0A  0B  0C  0D  0E  0F
    ─────────────────────────────────────────────────────────────
00 | 00  FF  FF  FF  FF  FF  FF  00  1E  6D  01  01  01  01  01  01
10 | 06  0E  01  03  98  5C  34  96  08  CF  72  A3  57  4C  B0  23
20 | 09  45  5D  EF  CE  00  31  D9  31  59  45  59  01  01  01  01
30 | 01  01  01  01  01  40  C3  1E  00  20  41  00  20  30  10  60
40 | 13  00  98  08  32  00  00  18  00  00  00  FC  00  4C  47  20
50 | 54  56  0A  00  00  00  00  00  00  00  00  00  00  FD  00  30
60 | 4C  1E  64  0F  00  0A  20  20  20  20  20  20  00  00  00  FC
70 | 00  0A  00  00  00  00  00  00  00  00  00  00  00  00  01  1D
```

Block(1) EDID table =

```
    00  01  02  03  04  05  06  07  08  09  0A  0B  0C  0D  0E  0F
    ─────────────────────────────────────────────────────────────
00 | 02  01  04  00  01  1D  00  72  51  D0  1E  20  6E  28  55  00
10 | C4  8E  21  00  00  1E  8C  0A  D0  8A  20  E0  2D  10  10  3E
20 | 96  00  C4  8E  21  00  00  18  01  1D  80  18  71  1C  16  20
30 | 58  2C  25  00  C4  8E  21  00  00  9E  00  00  00  00  00  00  40
40 | 00  00  00  00  00  00  00  00  00  00  00  00
50 | 00  00  00  00  00  00  00  00  00  00  00  00  00  00  00  00
60 | 00  00  00  00  00  00  00  00  00  00  00  00  00  00  00  00
70 | 00  00  00  00  00  00  00  00  00  00  00  00  00  00  00  00  BF
```

6-2. EDID DATA for RGB

• EDID table =

```
    00  01  02  03  04  05  06  07  08  09  0A  0B  0C  0D  0E  0F
    ─────────────────────────────────────────────────────────────
00 | 00  FF  FF  FF  FF  FF  FF  00  1E  6D  01  01  01  01  01  01
10 | 06  0E  01  03  18  5C  34  96  08  CF  72  A3  57  4C  B0  23
20 | 09  45  5D  EF  CE  00  31  D9  31  59  45  59  01  01  01  01
30 | 01  01  01  01  01  40  C3  1E  00  20  41  00  20  30  10  60
40 | 13  00  98  08  32  00  00  18  00  00  00  FC  00  4C  47  20
50 | 54  56  0A  00  00  00  00  00  00  00  00  00  00  FD  00  30
60 | 4C  1E  64  0F  00  0A  20  20  20  20  20  20  00  00  00  FC
70 | 00  0A  00  00  00  00  00  00  00  00  00  00  00  00  00  9E
```

ADJUSTMENT INSTRUCTIONS

7. AD9883A-Set Adjustment

7-1. Synopsis

AD9883A-Set adjustment to set the black level and the Gain of optimum with an automatic movement from the analog => digital converter.

7-2. Test Equipment

Service R/C, 801GF(802B, 802F, 802R) Pattern Generator (720P The Vertical 100% Color Bar Pattern output will be possible and the output level will accurately have to be adjusted to 0.7±0.1Vp-p)
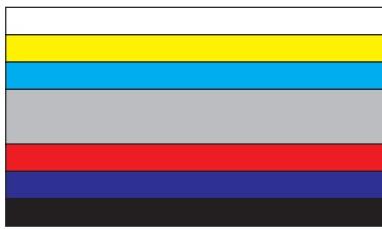
<Fig. 3> Adjustment Pattern : 720P Vertical Color Bar

7-3. Adjustment

(1) Select Component1 or Component2 as the input with 100% Vertical Color Bar Pattern(TVBAR_100) in 720P Mode.

(2) After receiving signal for at least 1 second, press the ADJ Key on the Service R/C to enter the 'Ez - Adjust' and select the '1. AD9883A-Set'.
Pressing the + Key to adjust with automatic movement.

(3) When the adjustment is over, 'Complete Auto Configuration' is displayed. If the adjustment has errors, 'AD9883A Configuration Error' is displayed.

(4) Readjust after confirming the case Pattern or adjustment condition where the adjustment had errors.

(5) After adjustment is complete, exit the adjustment mode by pressing the ADJ KEY.

8. Adjustment of White Balance

8-1. Required Equipment

(1) Color analyzer (CA-100 or similar product)
(2) Automatic adjustor (with automatic adjustment hour necessity and the RS-232C communication being possible)
(3) AV Pattern Generator

8-2. Connection Diagram of Equipment for Measuring (Automatic Adjustment)
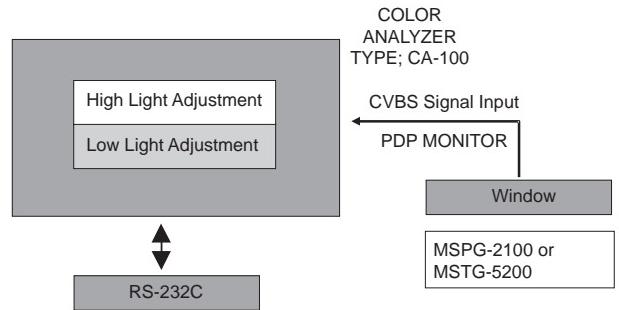
<Fig. 4> Connection Diagram of Automatic Adjustment

✳ **RS-232C Command** (Automatic Adjustment)

	RS-232C Command [CMD ID DATA]	MIN	CENTER (DEFAULT)	MAX
R Gain	ja 00 XX	00	7f	ff
G Gain	jb 00 XX	00	7f	ff
B Gain	jc 00 XX	00	7f(fix.)	ff
R Cut	lj 00 XX	00	3f(fix.)	7f
G Cut	lk 00 XX	00	3f	7f
B Cut	ll 00 XX	00	3f	7f

ADJUSTMENT INSTRUCTIONS

8-3. Adjustment of White Balance

● Operate the Zero-calibration of the CA-100, then attach sensor to PDP module surface when you adjust.

● Manual adjustment is also possible by the following sequence.

(1) Enter 'Ez - Adjust' by pressing ADJ KEY on the Service Remote Control.

(2) Select "5. WHITE PATTERN" using CH +/- Key and HEAT RUN at least 15 minutes by pressing the ENTER Key.

(3) Receive the Window pattern signal from DVI Pattern Generator. (DVI-DTV 720P/60Hz)

(4) Set Picture condition to "CLEAR Image" and 'XD' off

(5) After attaching sensor to center of screen, select '3. White-Balance' of 'Ez - Adjust' by pressing the ADJ KEY on the Service R/C. Then enter adjustment mode by pressing the Right KEY (▶) .

(6) Adjust the Hight Light using R Gain/G Gain and adjust the Low Light using G Cut/B Cut.

(7) Adjust using Volume +/- KEY.
(B Gain: 127/R Cut: 63 Fix.)

High Light: Digital Gray 160Step
Low Light: Digital Gray 55Step

X; 0.290±0.003   Y; 0.285±0.003

Color temperature: 9,200°K±500°K

(8) After adjustment is complete, move to Ez - Adjust screen by pressing the ENTER(■) KEY. Then exit the adjustment mode by press ADJ KEY.

9. DVCO Adjustment

(1) After adjusting Main/Sub Contrast, receive a Digital Pattern.

(2) Select '4. DVCO-Set' by pressing the ADJ KEY on the Service R/C and adjust by pressing the Right KEY (▶) .

(3) When adjustment is complete,"DVCO-Set" will appear. Exit the adjustment mode menu by pressing ADJ key.

BLOCK DIAGRAM
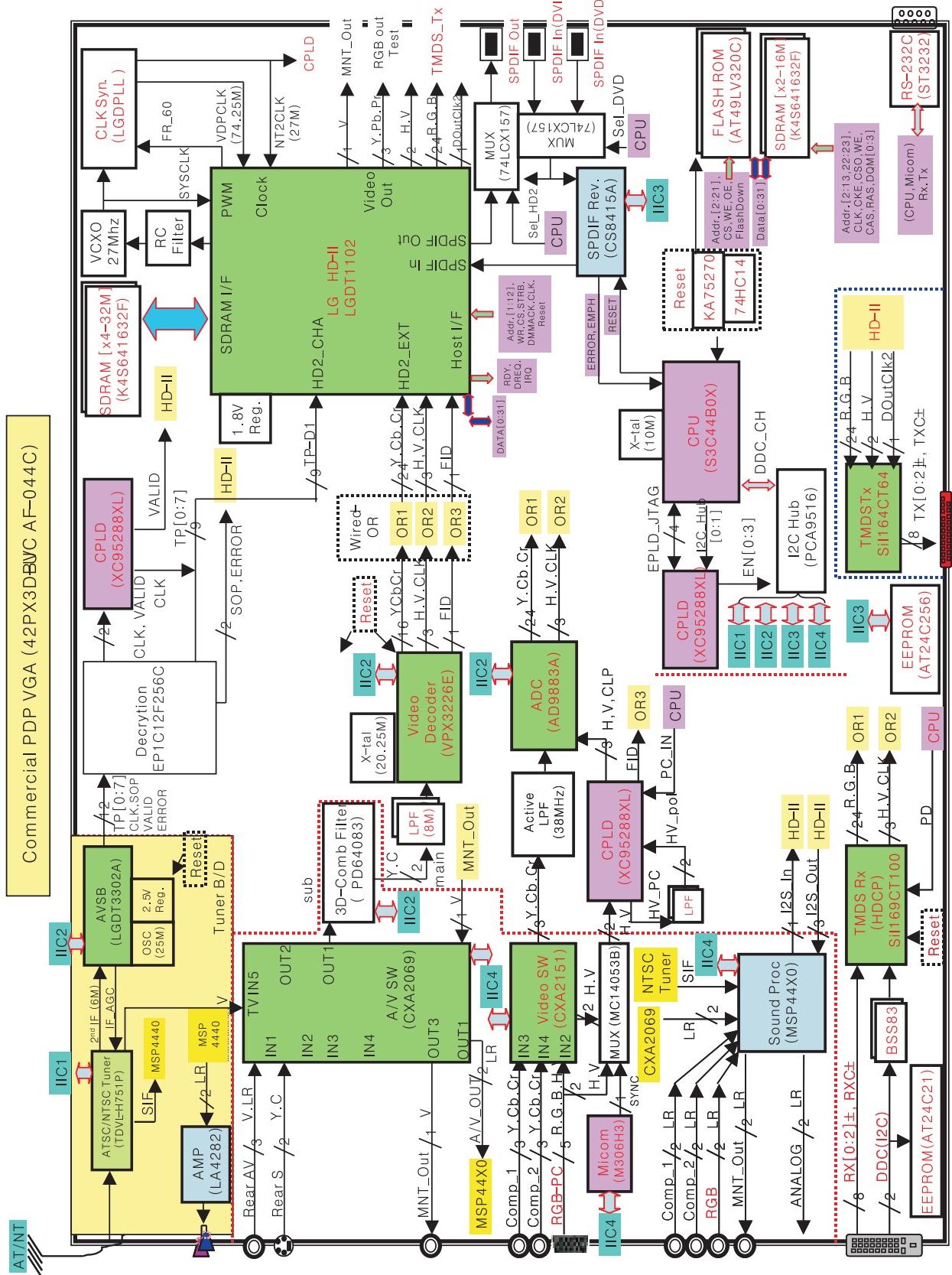
NOTES

EXPLODED VIEW
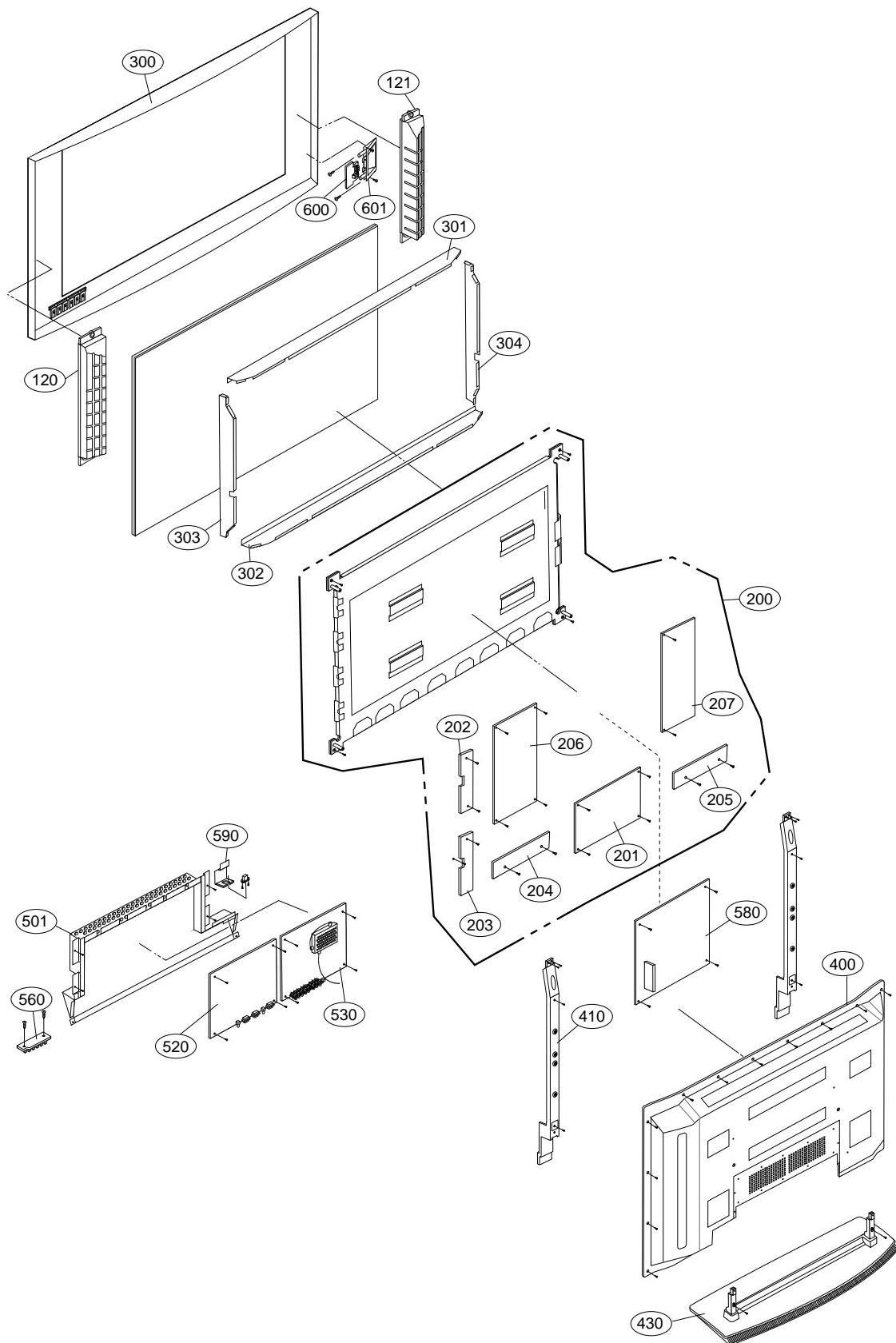
EXPLODED VIEW PARTS LIST

No.	Part No.	Description
120	6401VD0032A	SPEAKER ASSEMBLY,FULL RANGE(R) RZ-42PX30 FILM TYPE
121	6401VD0033A	SPEAKER ASSEMBLY,FULL RANGE(L) RZ-42PX30 FILM TYPE
200	6348Q-E104B	PDP,42 852*480 PDP42V70652.AKLGG
	6348Q-E107G	PDP,42 852*480 PDP42V70652.DDRSA C/SKD
201	6871QCH053A	PCB ASSEMBLY,DISPLAY CTRL ASSY 42V7 FPGA
202	6871QDH084A	PCB ASSEMBLY,DISPLAY YDRV ASSY 42V7 YDRV TOP B/D
203	6871QDH085A	PCB ASSEMBLY,DISPLAY YDRV ASSY 42V7 YDRV BTM B/D
204	6871QLH047A	PCB ASSEMBLY,DISPLAY XRLT ASSY 42V7 XL B/D
205	6871QRH055A	PCB ASSEMBLY,DISPLAY XRRT ASSY 42V7 XR B/D
206	6871QYH036A	PCB ASSEMBLY,DISPLAY YSUS ASSY 42V7
207	6871QZH041A	PCB ASSEMBLY,DISPLAY ZSUS ASSY 42V7 ZSUS ASSY
300	3091V00816L	CABINET ASSEMBLY,42PX3DBV-UC STEREO 3090V00676 FILM TYPE
	3091V00816Q	CABINET ASSEMBLY,42PX3DLV-UC STEREO COMMERCIAL SILVER
	3091V00816S	CABINET ASSEMBLY,42PX3DLV-UC COMMERCIAL SILVER SKD
301	4980V01203A	SUPPORTER ASSY,AL FILTER TOP RZ-42PX30
	4980V01203B	SUPPORTER ASSY,AL FILTER TOP RZ-42PX30 C/SKD
302	4980V01204A	SUPPORTER ASSY,AL FILTER BOTTOM RZ-42PX30
	4980V01204B	SUPPORTER ASSY,AL FILTER BOTTOM RZ-42PX30 C/SKD
303	4980V01205A	SUPPORTER ASSY,AL FILTER RIGHT RZ-42PX30
	4980V01205B	SUPPORTER ASSY,AL FILTER RIGHT RZ-42PX30 C/SKD
304	4980V01206A	SUPPORTER ASSY,AL FILTER LEFT RZ-42PX30
	4980V01206B	SUPPORTER ASSY,AL FILTER LEFT RZ-42PX30 C/SKD
400	3809V00610C	BACK COVER ASSEMBLY,42PX3DBV-UC NON LGEUS D-BOX WITH LABEL BK
	3809V00610B	BACK COVER ASSEMBLY,42PX3DLV-UC
	3809V00610D	BACK COVER ASSEMBLY,C/SKD WITH PEM-NUT
410	4980V01071A	SUPPORTER ASSY,AL MODULE VER. RZ-42PX10
	4980V01071B	SUPPORTER ASSY,AL VERTICAL RZ-42PX10 SKD
430	3501V00171F	BOARD ASSEMBLY,STAND DU-42PX12X AF044A LGEUS BLACK W/O PACKING
	3501V00171A	BOARD ASSEMBLY,DESK TOP STAND 42PX3DLV-UC
	3501V00171B	BOARD ASSEMBLY,STAND RZ-42PX10 NF036B SKD
501	3301900001A	PLATE ASSEMBLY,AV, VSC TUNER NON
	3301V00023S	PLATE ASSEMBLY,AV VSC TUNER 42PX3DLV-UC
520	68719MM051A	PCB ASSEMBLY,MAIN AF044C 42PX3DBV-UC AUSLLAX D/B MANUAL
530	68719SM081A	PCB ASSEMBLY,SUB AF044C 42PX3DBV-UC AUSLLAX TUNNER B/D MANUAL
560	68719SM085A	PCB ASSEMBLY,SUB AF044C 42PX3DBV-UC AUSLLAX CONT MANUAL
	68719SM085B	PCB ASSEMBLY,SUB AF044C 42PX3DBV/3DLV-UC CONTROL C/SKD
580	6709V00010A	POWER SUPPLY ASSEMBLY,350W YPSU-J006A LG INNOTEK PSU ASSY
590	3141VSN422A	CHASSIS ASSEMBLY,SUB MF056A AC INET ASSY
	31419SF091A	CHASSIS ASSEMBLY,SUB 42PX3DBV/3DLV-UC AC INET ASSY. SKD.RS
600	6871VSMF13A	PCB ASSEMBLY,SUB A/V AF044A DN-50PY10 SIDE A/V
601	4811V00118Q	BRACKET ASSEMBLY,SIDE AV 42PX3DBV-UC AF044A
	4811V00118B	BRACKET ASSEMBLY,DECO 42PX3DLV-UC SIDE AV
	4811V00118D	BRACKET ASSEMBLY,AV RT-42PX10 RF043B SIDE AV SKD

REPLACEMENT PARTS LIST

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyestor CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible

RUN DATE : 2005.8.29

LOCA. NO	PART NO	DESCRIPTION
IC		
IC100	0IMMRNE002B	UPD64083GF3BA-A 100
IC101	0ISO206900A	CXA2069Q QFP64 BK I2C BUS AV S/W
IC101	0IKE702900G	KIA7029AF SOT-89 TP 2.9V
IC103	0IMCRSS016A	S3C44BOX01-EDRO LQFP-160 CPU
IC104	0IPH741400E	74HC14D 14SOP
IC109	0IMMRSS041G	K4S641632H-UC75 54P
IC110	0IMMRSS041G	K4S641632H-UC75 54P
IC111	0IKE704200J	KIA7042AF SOT-89 TP 4.2V
IC112	0IMMR00037A	M306H3FCFP 116P
IC114	0IMCRAL006A	AT24C16AN-10SU-2.7 8P EEPROM
IC200	0IMCRMN027D	MSP4440K 80P MULTI SOUND
IC201	0ILNR00015A	NSP-2100A 64P DIGTAL AUDIO
IC201	0IMCRPH026B	PA9516APW 16P
IC202	0ICTMLG013A	LGDT1901A 24P
IC202	0IMCRTI028C	TAS5122DCARG4 56P
IC203	0IMCRCY002A	CY2309SXC-1HT 16P R/TP 3.3V
IC203	0IPMGKE030A	KIA78R05F 5PIN 1A,5V
IC204	0IAL242561B	AT24C256W-10SU-2.7V 8P
IC204	0IMCRSJ001A	SC1565IST-1.8 3P SOT223
IC205	0IMCRXL004A	XC95288XL-10TQG144C 144P
IC205	0IPRPML001A	MIC39100 3P SOT223
IC206	0IMCRSG010A	ST3232CDR SOP16 R/TP RS232
IC206	0IMCRFA010A	KA7809R 2P
IC209	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3
IC210	0IMCRPH026B	PA9516APW PHILIPS 16P
IC302	0IPRP00538A	FSA1156P6X-NL 6P
IC304	0ICTMLG019A	LGDT3303 100P
IC306	0ILNRMN005A	VPX3226E 44 VIDEO PIXEL DECODER
IC308	0IPRPAD008B	AD9883AKST(Z)-110 80P
IC310	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3
IC400	0ICTMLG009C	LGDT1102C HD2.3 SBGA-432P
IC401	0IMMRSS041G	K4S641632H-UC75 54P
IC402	0IMMRSS041G	K4S641632H-UC75 54P
IC403	0IMMRSS041G	K4S641632H-UC75 54P
IC404	0IMMRSS041G	K4S641632H-UC75 54P
IC501	0IMCRS5003B	SIL169CTG100 100P
IC502	0IMCRTH002A	THC63LVD103 64P
IC503	0IMMRAL014B	AT24C02N-10SI-2.7 8P
IC600	0IMCRSO008A	CXA2151Q SONY 48P
IC601	0IMO140530D	MC14053BDR2 16P
IC602	0IPH740800M	74F08D 14P
IC603	0IMMRAL014B	AT24C02N-10SI-2.7 8P
IC604	0IMCRFA013A	74LCX244MTC 20P
IC605	0ICB841500B	CS8415A-CZR 28P 96KHZ DIGITAL
IC606	0ITO741570C	TC74LCX157FT 16P
IC607	0ITO741570C	TC74LCX157FT 16P

LOCA. NO	PART NO	DESCRIPTION
IC608	0ICB533100A	CS5331A-KSR 8SOIC TP ADC -
IC609	0IMO330780B	MC33078D 8/SOIC +-18V OP AMP
IC701	0IPMGKE030A	KIA78R05F 5PIN 1A,5V
IC702	0IPRPML001A	MIC39100 3P SOT223
IC703	0IMCRSJ001A	SC1565IST-1.8 3P SOT223
IC704	0IMCRFA010A	KA7809R 2P
IC705	0IPRPNS054A	LM75CIMX-3 8P
IC706	0IPMGKE032A	KIA78R09F 5PIN 1A,9V
IC707	0IPMGKE032A	KIA78R09F 5PIN 1A,9V
IC800	0ICTMLG018A	LGDP4410 176P
IC801	0IPRPML001A	MIC39100 3P SOT223
IC900	0IPRPAT002A	EP1C12F256C8N(PB FREE) 256P
IC901	0IPMGSG018C	LD1086DT15TR 2P 1.5V 1.5A
IC902	0IMMRAT006C	EPCS4S18N(PROGRAMED) 8PIN
TRANSISTOR		
Q100	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q101	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q101	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP TR
Q101	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q102	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q102	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q102	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q103	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q103	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q104	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q104	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q105	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q106	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q107	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q108	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q109	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q110	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q111	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q112	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q113	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q114	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q115	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q116	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q117	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q118	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q119	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q120	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q121	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q122	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q123	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q124	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q125	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
Q128	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q129	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q130	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q131	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q132	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q133	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q200	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q200	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q201	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q204	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q303	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q304	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q305	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q305	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q306	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q306	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q307	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q307	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q308	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q309	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q501	0TR830009BA	BSS83
Q502	0TR830009BA	BSS83
Q503	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q600	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q601	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q602	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q605	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q606	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q607	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q613	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q614	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q615	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q616	0TR102009AG	CHIP KRC102S SOT-23 NA NA
Q701	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC

DIODE

LOCA. NO	PART NO	DESCRIPTION
D109	0DL233309AC	LED,SAM2333
D200	0DD226239AA	KDS226 TP KEC
D201	0DD226239AA	KDS226 TP KEC
D202	0DD226239AA	KDS226 TP KEC
D203	0DD226239AA	KDS226 TP KEC
D204	0DZRM00248A	ZENERS,RLZ8.2B-TE11
D501	0DD184009AA	KDS184 85V 300MA
D701	0DD226239AA	KDS226 TP KEC
D702	0DD100009AM	EU1ZV(1) 200V 0.25A 15A
DL700	0DL233309AC	LED,SAM2333
DL702	0DL233309AC	LED,SAM2333
DL703	0DL233309AC	LED,SAM2333
DL704	0DL233309AC	LED,SAM2333
DL705	0DL233309AC	LED,SAM2333
IC102	0DD184009AA	KDS184 85V 300MA

LOCA. NO	PART NO	DESCRIPTION
LD101	0DL200000CA	LED,SAM5670(DL-2LRG)
ZD101	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD102	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD103	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD110	0DR050008AA	SD05.TC SOD323 5V 5A 15A

CAPACITOR

LOCA. NO	PART NO	DESCRIPTION
C103	0CE4763F618	47UF SRE,SE 16V 20%
C104	0CE1059K538	1UF HI STABILITY 50V 10%
C105	0CE1059K538	1UF HI STABILITY 50V 10%
C106	0CE106SF6DC	10UF MVG 16V 20%
C117	0CE106SF6DC	10UF MVG 16V 20%
C118	0CE105SK6DC	1UF MVG 50V 20%
C1203	0CE226SF6DC	22UF MVG 16V 20%
C121	0CE106SF6DC	10UF MVG 16V 20%
C122	0CE106SF6DC	10UF MVG 16V 20%
C1255	0CE476SF6DC	47UF MVG 16V 20%
C1260	0CE108DJ618	1000UF STD 35V M
C1265	0CE108DJ618	1000UF STD 35V M
C127	0CE107SF6DC	100UF MVG 16V 20%
C133	0CE107SF6DC	100UF MVG 16V 20%
C138	0CE476SF6DC	47UF MVG 16V 20%
C138	0CE476SF6DC	47UF MVG 16V 20%
C139	0CE476SF6DC	47UF MVG 16V 20%
C1400	0CE226SF6DC	22UF MVG 16V 20%
C143	0CE476SF6DC	47UF MVG 16V 20%
C144	0CE105SK6DC	1UF MVG 50V 20%
C148	0CE105SK6DC	1UF MVG 50V 20%
C148	0CE226SF6DC	22UF MVG 16V 20%
C149	0CE226SF6DC	22UF MVG 16V 20%
C150	0CE476SF6DC	47UF MVG 16V 20%
C158	0CE105SK6DC	1UF MVG 50V 20%
C1606	0CE226SF6DC	22UF MVG 16V 20%
C1607	0CE226SF6DC	22UF MVG 16V 20%
C161	0CE107SF6DC	100UF MVG 16V 20%
C161	0CE105SK6DC	1UF MVG 50V 20%
C1610	0CE226SF6DC	22UF MVG 16V 20%
C165	0CE106SF6DC	10UF MVG 16V 20%
C166	0CE106SF6DC	10UF MVG 16V 20%
C167	0CE106SF6DC	10UF MVG 16V 20%
C169	0CE106SF6DC	10UF MVG 16V 20%
C170	0CE106SF6DC	10UF MVG 16V 20%
C171	0CE106SF6DC	10UF MVG 16V 20%
C172	0CE106SF6DC	10UF MVG 16V 20%
C174	0CE106SF6DC	10UF MVG 16V 20%
C202	0CE226SF6DC	22UF MVG 16V 20%
C205	0CE476SF6DC	47UF MVG 16V 20%
C206	0CE226SF6DC	22UF MVG 16V 20%
C207	0CE477DJ618	470UF STD 35V 20%
C208	0CE226SF6DC	22UF MVG 16V 20%
C212	0CE477SF6DC	470UF MVG 16V 20%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C213	0CE477SF6DC	470UF MVG 16V 20%	C335	0CE226SF6DC	22UF MVG 16V 20%
C214	0CE106SF6DC	10UF MVG 16V 20%	C343	0CK823DK56A	82000PF 2012 50V 10%
C214	0CE477SF6DC	470UF MVG 16V 20%	C347	0CF4741L438	0.47UF D 63V 5%
C215	0CE477DJ618	470UF STD 35V 20%	C348	0CF4741L438	0.47UF D 63V 5%
C216	0CE477SF6DC	470UF MVG 16V 20%	C349	0CE226SF6DC	22UF MVG 16V 20%
C217	0CE477SF6DC	470UF MVG 16V 20%	C350	0CE106SF6DC	10UF MVG 16V 20%
C223	0CE477SF6DC	470UF MVG 16V 20%	C352	0CE226SF6DC	22UF MVG 16V 20%
C224	0CE107SF6DC	100UF MVG 16V 20%	C353	0CE106SF6DC	10UF MVG 16V 20%
C232	0CE476SF6DC	47UF MVG 16V 20%	C357	0CE476SF6DC	47UF MVG 16V 20%
C233	0CE476SF6DC	47UF MVG 16V 20%	C367	0CE105SK6DC	1UF MVG 50V 20%
C234	0CE107SF6DC	100UF MVG 16V 20%	C369	0CE105SK6DC	1UF MVG 50V 20%
C235	0CE476SF6DC	47UF MVG 16V 20%	C370	0CE105SK6DC	1UF MVG 50V 20%
C236	0CE476SF6DC	47UF MVG 16V 20%	C379	0CE226SF6DC	22UF MVG 16V 20%
C236	0CE476SF6DC	47UF MVG 16V 20%	C380	0CE106SF6DC	10UF MVG 16V 20%
C238	0CE106SF6DC	10UF MVG 16V 20%	C383	0CE476SF6DC	47UF MVG 16V 20%
C239	0CE226SF6DC	22UF MVG 16V 20%	C391	0CE476SF6DC	47UF MVG 16V 20%
C243	0CE226SF6DC	22UF MVG 16V 20%	C392	0CE476SF6DC	47UF MVG 16V 20%
C244	0CE477SF6DC	470UF MVG 16V 20%	C394	0CE106SH6DC	10UF MVG 25V 20%
C245	0CE477SF6DC	470UF MVG 16V 20%	C501	0CE476SF6DC	47UF MVG 16V 20%
C251	0CE476SF6DC	47UF MVG 16V 20%	C512	0CE106SF6DC	10UF MVG 16V 20%
C252	0CE476SF6DC	47UF MVG 16V 20%	C524	0CE106SF6DC	10UF MVG 16V 20%
C253	0CE476SF6DC	47UF MVG 16V 20%	C601	0CE476SF6DC	47UF MVG 16V 20%
C254	0CE476SF6DC	47UF MVG 16V 20%	C615	0CE476SF6DC	47UF MVG 16V 20%
C260	0CE476SF6DC	47UF MVG 16V 20%	C622	0CE476SF6DC	47UF MVG 16V 20%
C264	0CE107SF6DC	100UF MVG 16V 20%	C628	0CE476SF6DC	47UF MVG 16V 20%
C265	0CE107SF6DC	100UF MVG 16V 20%	C629	0CE105SK6DC	1UF MVG 50V 20%
C272	0CE476SF6DC	47UF MVG 16V 20%	C636	0CE476SF6DC	47UF MVG 16V 20%
C274	0CE226SF6DC	22UF MVG 16V 20%	C639	0CE476SF6DC	47UF MVG 16V 20%
C280	0CE335VK6DC	3.3UF MV 50V 20%	C641	0CE106SF6DC	10UF MVG 16V 20%
C295	0CE335VK6DC	3.3UF MV 50V 20%	C654	0CE106SF6DC	10UF MVG 16V 20%
C297	0CE107SF6DC	100UF MVG 16V 20%	C655	0CE106SF6DC	10UF MVG 16V 20%
C298	0CE106SF6DC	10UF MVG 16V 20%	C656	0CE476SF6DC	47UF MVG 16V 20%
C299	0CE106SF6DC	10UF MVG 16V 20%	C660	0CE106SF6DC	10UF MVG 16V 20%
C305	0CE476SF6DC	47UF MVG 16V 20%	C663	0CE476SF6DC	47UF MVG 16V 20%
C308	0CE476SF6DC	47UF MVG 16V 20%	C666	0CE107SF6DC	100UF MVG 16V 20%
C309	0CK105DF64A	1UF 2012 16V 20%	C667	0CE226SF6DC	22UF MVG 16V 20%
C312	0CE476SF6DC	47UF MVG 16V 20%	C668	0CE226SF6DC	22UF MVG 16V 20%
C315	0CK684DF56A	0.68UF 2012 16V 10%	C673	0CE107SF6DC	100UF MVG 16V 20%
C316	0CE476SF6DC	47UF MVG 16V 20%	C677	0CE107SF6DC	100UF MVG 16V 20%
C317	0CE226SF6DC	22UF MVG 16V 20%	C716	0CE476SF6DC	47UF MVG 16V 20%
C322	0CE106SF6DC	10UF MVG 16V 20%	C718	0CE476SF6DC	47UF MVG 16V 20%
C323	0CE226SF6DC	22UF MVG 16V 20%	C721	0CE477SF6DC	470UF MVG 16V 20%
C325	0CK105DF64A	1UF 2012 16V 20%	C722	0CE477SF6DC	470UF MVG 16V 20%
C325	0CE106SF6DC	10UF MVG 16V 20%	C723	0CE477SF6DC	470UF MVG 16V 20%
C326	0CK105DF64A	1UF 2012 16V 20%	C724	0CE477SF6DC	470UF MVG 16V 20%
C328	0CK105DF64A	1UF 2012 16V 20%	C726	0CE477SF6DC	470UF MVG 16V 20%
C330	0CE106SK6DC	10UF MVG 50V 20%	C727	0CE476SF6DC	47UF MVG 16V 20%
C330	0CE476SF6DC	47UF MVG 16V 20%	C728	0CE477SF6DC	470UF MVG 16V 20%
C331	0CE106SF6DC	10UF MVG 16V 20%	C729	0CE477SF6DC	470UF MVG 16V 20%
C332	0CE106SF6DC	10UF MVG 16V 20%	C730	0CE477SF6DC	470UF MVG 16V 20%
C333	0CE106SF6DC	10UF MVG 16V 20%	C732	0CE476SF6DC	47UF MVG 16V 20%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C733	0CE476SF6DC	47UF MVG 16V 20%
C734	0CE476SF6DC	47UF MVG 16V 20%
C735	0CE476SF6DC	47UF MVG 16V 20%
C738	0CE476SF6DC	47UF MVG 16V 20%
C739	0CE477SF6DC	470UF MVG 16V 20%
C740	0CE476SF6DC	47UF MVG 16V 20%
C743	0CE107SF6DC	100UF MVG 16V 20%
C745	0CE107SF6DC	100UF MVG 16V 20%
C748	0CE476SF6DC	47UF MVG 16V 20%
C749	0CE105SK6DC	1UF MVG 50V 20%
C751	0CE227VF6DC	220UF MV 16V 20%
C753	0CE476SF6DC	47UF MVG 16V 20%
C815	0CE476SF6DC	47UF MVG 16V 20%
C816	0CE476SF6DC	47UF MVG 16V 20%
C822	0CE476SF6DC	47UF MVG 16V 20%
C823	0CE476SF6DC	47UF MVG 16V 20%
C826	0CE106SF6DC	10UF MVG 16V 20%
C901	0CE107SF6DC	100UF MVG 16V 20%
C906	0CE477SF6DC	470UF MVG 16V 20%
C908	0CE106SF6DC	10UF MVG 16V 20%
C910	0CE476SF6DC	47UF MVG 16V 20%
C912	0CS335EFKDC	3.3UF 3216 16V 20%,-20%
C915	0CS335EFKDC	3.3UF 3216 16V 20%,-20%

COIL

LOCA. NO	PART NO	DESCRIPTION
L201	6140VB0004B	COIL,CHOKE 26UH
L202	6140VB0004B	COIL,CHOKE 26UH
L203	6140VB0004B	COIL,CHOKE 26UH
L204	6140VB0004B	COIL,CHOKE 26UH
L234	6140VB0032A	COIL,CHOKE DBF-1015A 15.5UH
L235	6140VB0032A	COIL,CHOKE DBF-1015A 15.5UH
L236	6140VB0032A	COIL,CHOKE DBF-1015A 15.5UH
L237	6140VB0032A	COIL,CHOKE DBF-1015A 15.5UH

WAFER

LOCA. NO	PART NO	DESCRIPTION
C11	366-036B	CONNECTOR,WAFER STAPLE
P100	366-921L	CONNECTOR,WAFER 12PIN 2.54MM
P101	6602T12002M	CONNECTOR,WAFER 13P 1.25MM
P101	6630VE00731	CONNECTOR,WAFER 10022HS-31A02
P101	366-922L	WAFER,IL-G-12P LGC 2.5mm R/A
P102	6602T12006M	CONNECTOR,WAFER 13P 1.25MM
P106	6630V25002D	CONNECTOR,WAFER YFDW254
P200	6630VE00731	CONNECTOR,WAFER 10022HS-31A02
P201	366-921J	CONNECTOR,WAFER 10PIN 2.54MM
P202	366-932E	CONNECTOR,WAFER 6PIN 2.54MM
P203	366-932B	CONNECTOR,WAFER IL-G-03P
P204	366-921C	CONNECTOR,WAFER IL-G-04
P301	6630VE00731	CONNECTOR,WAFER 10022HS-31A02
P301	6630VE00731	CONNECTOR,WAFER 10022HS-31A02
P302	366-932B	CONNECTOR,WAFER IL-G-03P
P501	6602T12007D	CONNECTOR,WAFER GT121-31P-TD

LOCA. NO	PART NO	DESCRIPTION
P701	366-921L	CONNECTOR,WAFER 12PIN 2.54MM
P702	6630VE00731	CONNECTOR,WAFER 10022HS-31A02
P703	6630VE00731	CONNECTOR,WAFER 10022HS-31A02
P706	366-921F	WAFER,IL-G-07 LGC 2.5mm S/T

CONNECTOR

LOCA. NO	PART NO	DESCRIPTION
C1	387-J12L	CONNECTOR ASSEMBLY,12P 2.5MM 700MM
C10	6631V39023D	CONNECTOR ASSEMBLY,10P 3.96MM 250MM
C2	6631V12042L	CONNECTOR ASSEMBLY,13P 1.25MM 700MM
C3	6631V00020J	CONNECTOR ASSEMBLY,3P 3.96MM 400MM
C4	6631V10004Z	CONNECTOR ASSEMBLY,31P 1.0MM 50MM
C5	6631V00045D	CONNECTOR ASSEMBLY,10P 2.5MM 250MM
C6	6631V25083C	CONNECTOR ASSEMBLY,7P 2.5MM 200MM
C7	6631V25084C	CONNECTOR ASSEMBLY,12P 2.5MM 200MM
C8	6631V39013N	CONNECTOR ASSEMBLY,8P 3.96MM 900MM
C9	6631V39022D	CONNECTOR ASSEMBLY,4P 3.96MM 250MM
JK102	6630VGA004B	CONNECTOR,D-SUB 9P 2.77MM
JK501	6630GZ00724	CONNECTOR,D-SUB 24P 1.91MM
JK600	6630VGA001C	CONNECTOR,D-SUB 15PIN 2.29MM

JACK

LOCA. NO	PART NO	DESCRIPTION
JK100	6612VJH020E	JACK,RCA PPJ122-40 6P
JK101	380-363G	JACK,DIN 6046B-01S
JK101	380-068E	JACK,PHONE UEJ-CV-018
JK102	6612VJH020C	JACK,RCA PPJ122C 6P
JK103	6613V00026A	JACK ASSEMBLY,UJB-03-28A
JK200	6612VJH019B	JACK,RCA PPJ121B 4P
JK301	380-068E	JACK,PHONE UEJ-CV-018
JK601	6612BBBHN4D	JACK,DIN TOTX177
JK602	6612BBBHN4E	JACK,DIN TORX177
JK603	6612BBBHN4E	JACK,DIN TORX177

RESISTOR

LOCA. NO	PART NO	DESCRIPTION
AR102	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
AR103	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR300	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR301	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR302	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR303	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR304	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR305	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR306	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR307	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR308	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR309	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR501	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR502	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR503	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR504	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR505	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR506	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
AR801	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR802	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR803	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR804	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR805	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR806	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR808	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR809	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR810	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR811	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR812	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR813	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
R631	0RN1002F409	10K OHM 1/6 W 1.00%
R717	0RD0302A609	30 OHM 1/2 W(7.0) 5.00%
R742	0RS0202K607	20 OHM 2 W 5.00%
VR301	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
VR302	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%
VR303	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%

SWITCH

LOCA. NO	PART NO	DESCRIPTION
SW101	140-315A	SWITCH,TACT SKHV17910B
SW101	6600VR1004A	SWITCH,TACT SKHMPW 5P
SW102	140-315A	SWITCH,TACT SKHV17910B
SW103	140-315A	SWITCH,TACT SKHV17910B
SW104	140-315A	SWITCH,TACT SKHV17910B
SW105	140-315A	SWITCH,TACT SKHV17910B
SW106	140-315A	SWITCH,TACT SKHV17910B
SW107	140-315A	SWITCH,TACT SKHV17910B
SW108	140-315A	SWITCH,TACT SKHV17910B

FILTER & CRYSTAL

LOCA. NO	PART NO	DESCRIPTION
B1	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
B3	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1	6210VH0004A	FILTER,EMC ZCAT3035-1330-M-K
F2	6210VH0004B	FILTER,EMC ZCAT1518-0730-M-K
F3	6200JB8013A	FILTER,EMC BNF-1130
F4	6200JB8009T	FILTER,EMC 06GEEG3Q-LG01
F5	6200JB8013A	FILTER,EMC BNF-1130
IC102	6200C000010	FILTER,B.P. H354LAI-K5202
IC103	6200C000010	FILTER,B.P. H354LAI-K5202
IC104	6200C000009	FILTER,B.P. H354LAI-K5225
IC105	6200C000009	FILTER,B.P. H354LAI-K5225
IC303	6200C000012	FILTER,B.P. TH355LSK-K5218
IC304	6200C000012	FILTER,B.P. TH355LSK-K5218
IC311	6200VKR002A	FILTER,B.P. LPF 2EA TA355LSK-K5216 38MHZ
IC312	6200VKR002A	FILTER,B.P. LPF 2EA TA355LSK-K5216 38MHZ
IC313	6200VKR002A	FILTER,B.P. LPF 2EA TA355LSK-K5216 38MHZ
L101	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L103	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L104	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L200	6210VC0006A	FILTER,EMC FBMH3216 HM501NT

LOCA. NO	PART NO	DESCRIPTION
L201	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L202	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L203	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L204	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L205	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L206	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L207	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L208	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L210	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L211	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L212	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L214	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L215	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L229	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L230	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L231	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L232	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L233	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L302	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L303	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L304	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L305	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L306	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L310	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L311	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L312	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L400	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L501	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L503	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L504	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L600	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L604	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L605	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L608	6210VC0005A	FILTER,EMC BK2125 HS 750
L609	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L611	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L612	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L613	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L702	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L704	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L707	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L801	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L802	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L803	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L804	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L902	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L903	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L904	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L905	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L906	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L907	6210VC0006A	FILTER,EMC FBMH3216 HM501NT

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
L908	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
L909	6210VC0006A	FILTER,EMC FBMH3216 HM501NT			
R102	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2			
R103	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2			
R106	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2			
R107	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2			
R108	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2			
X100	6212AB2015B	RESONATOR,CRYSTAL HC-49/SM5H 20MHZ			
X101	6212AB2015E	RESONATOR,CRYSTAL HC-49/SM 10.0MHZ			
X102	6212AA2998A	RESONATOR,CRYSTAL HLX-308 32.768KHZ			
X103	156-A01T	RESONATOR,CRYSTAL HC49U 10.000MHZ			
X200	156-A02M	RESONATOR,CRYSTAL HC49U 18.432MHZ			
X301	6202VDB007B	RESONATOR,CRYSTAL HC49U 20.250MHZ			
X600	6212AB2015A	RESONATOR,CRYSTAL HC-49/SM4H 4MHZ			

MISCELLANEOUS

LOCA. NO	PART NO	DESCRIPTION
C12	6850J00005C	CABLE,DVI LVDS UL20276 AWG30 600MM
C13	6850VA0004K	CABLE,COAXIAL(NTSC) UL1365#26 100MM
IC107	692791020AB	SOFT WARE,3.00.0V A511 PDP AF044C
IC108	692791021AB	SOFT WARE,3.00.0V 91FF PDP AF044C
IC109	692791060AA	SOFT WARE,3.00V 0X0976 PDP AF044C
PA101	6712000002B	REMOTE CONTROLLER RECEIVER,38KHZ
TU301	6700AN0002C	TUNER,TDVS-H702P
X201	6204B60001B	OSCILLATOR,27MHZ +/- 100 PPM 3.3V
X302	6204B47985K	OSCILLATOR,BMS-873R 25MHZ
X900	6204B60001B	OSCILLATOR,27MHZ +/- 100 PPM 3.3V

ACCESSORIES

LOCA. NO	PART NO	DESCRIPTION
A1	3828VA0479J	MANUAL,USER AF044C
A2	6710V00151K	REMOTE CONTROLLER
A3	6410VUH005E	POWER CORD,LP-31+LS-13 2800MM
A4	6850TD9007E	CABLE,D-SUB UL20276-9C(5.8MM) DT L1800
A5	6851V00019A	CABLE,COAXIAL RF 4AC208A0 3M
A7	4972V00178A	FIXER,WALL NON ASSY

LG Electronics Inc.

CANADA: LG Electronics Canada, Inc. 550 Matheson
Boulevard East Mississauga, Ontario L4Z 4G3

USA : LG Electronics Alabama, Inc.
P.O.Box 240007, 201 James Record Road Bldg 3
Huntsville, AL 35824

IC600
CXA2151Q

IC800
LGDT4410

IC900
EP1C12F256C8(CYCLONFPGA)

IC902
EPCS4

DIGITAL(TOP)

AF-044A-LVDS
6870VM0545C
2005.08.24 Y.J.H.
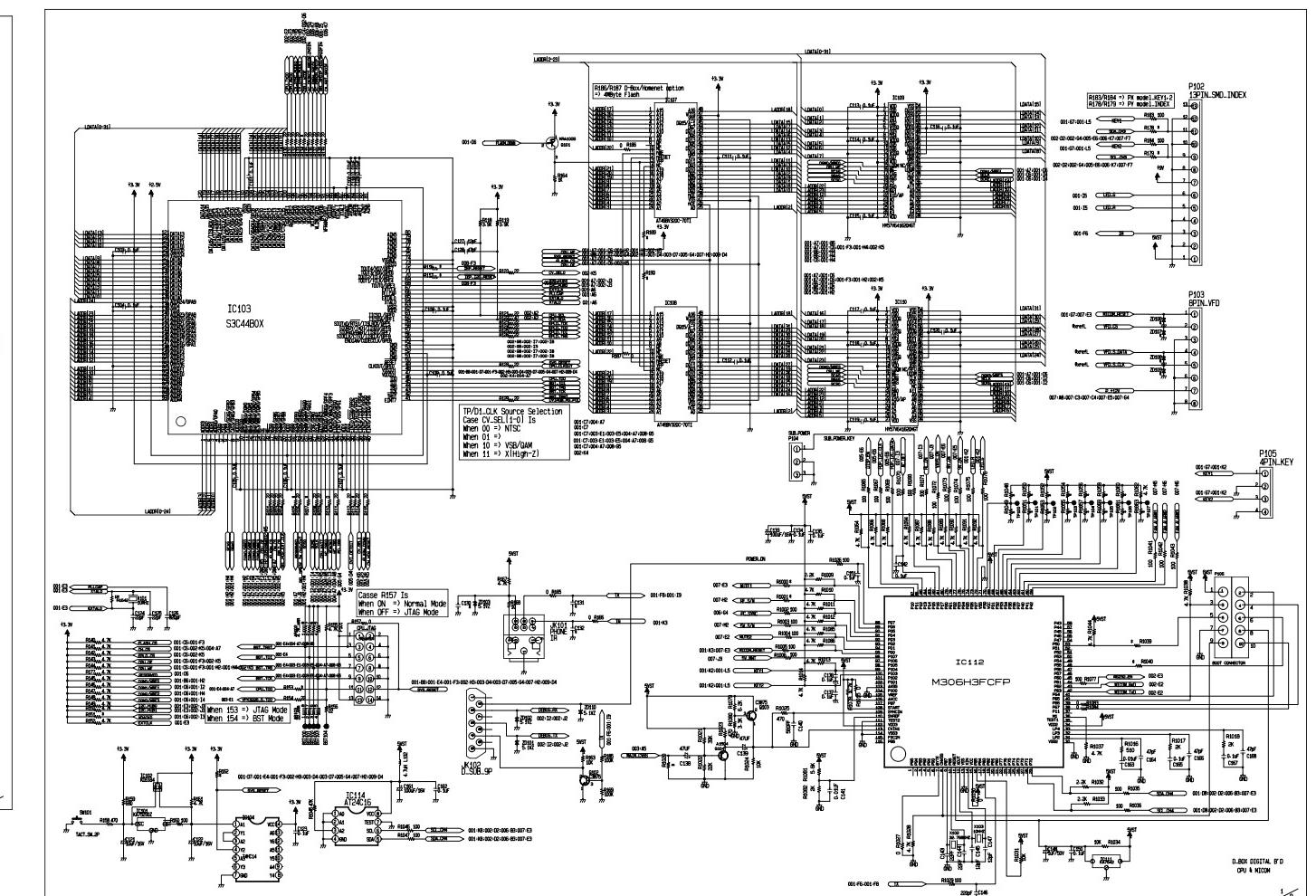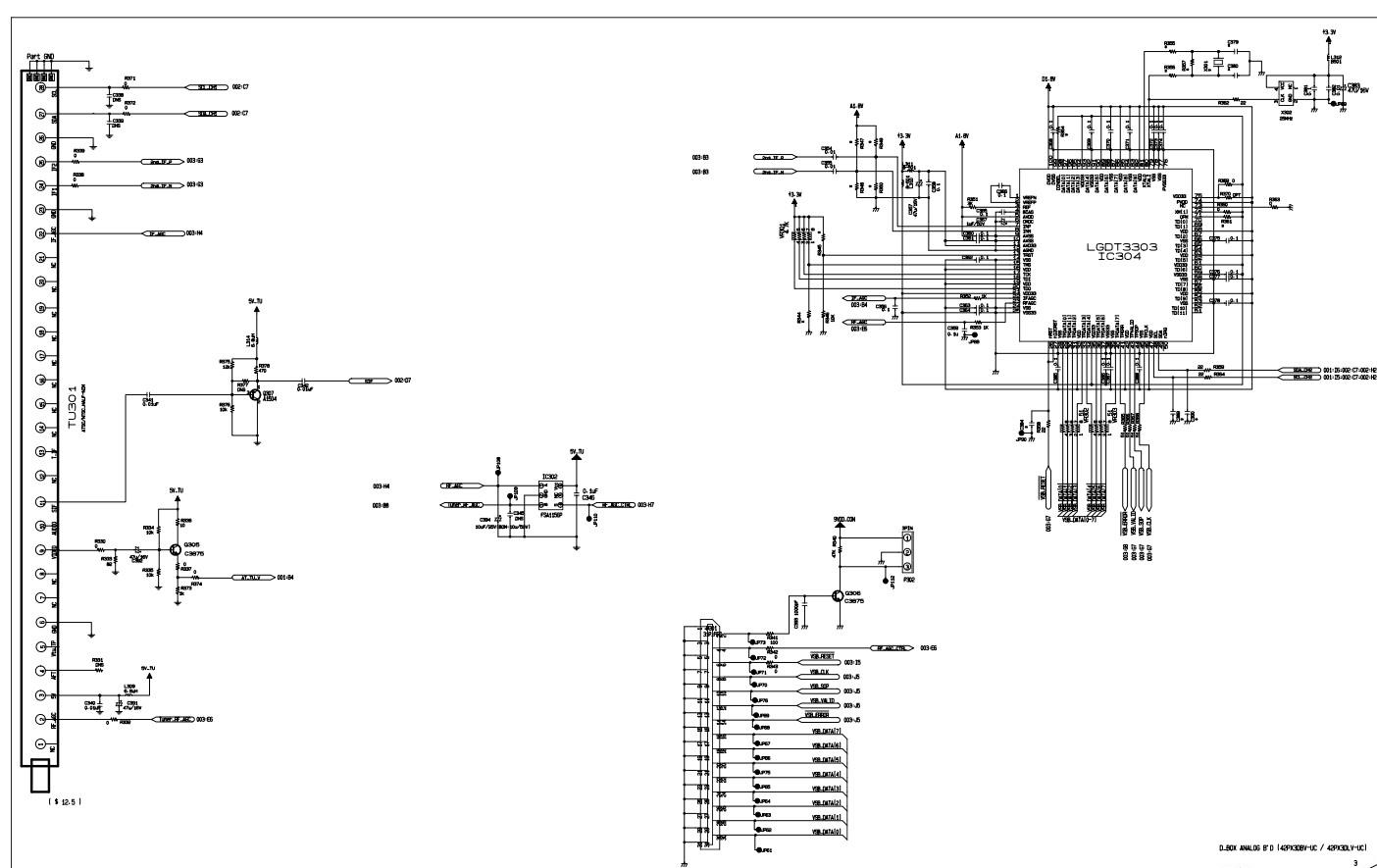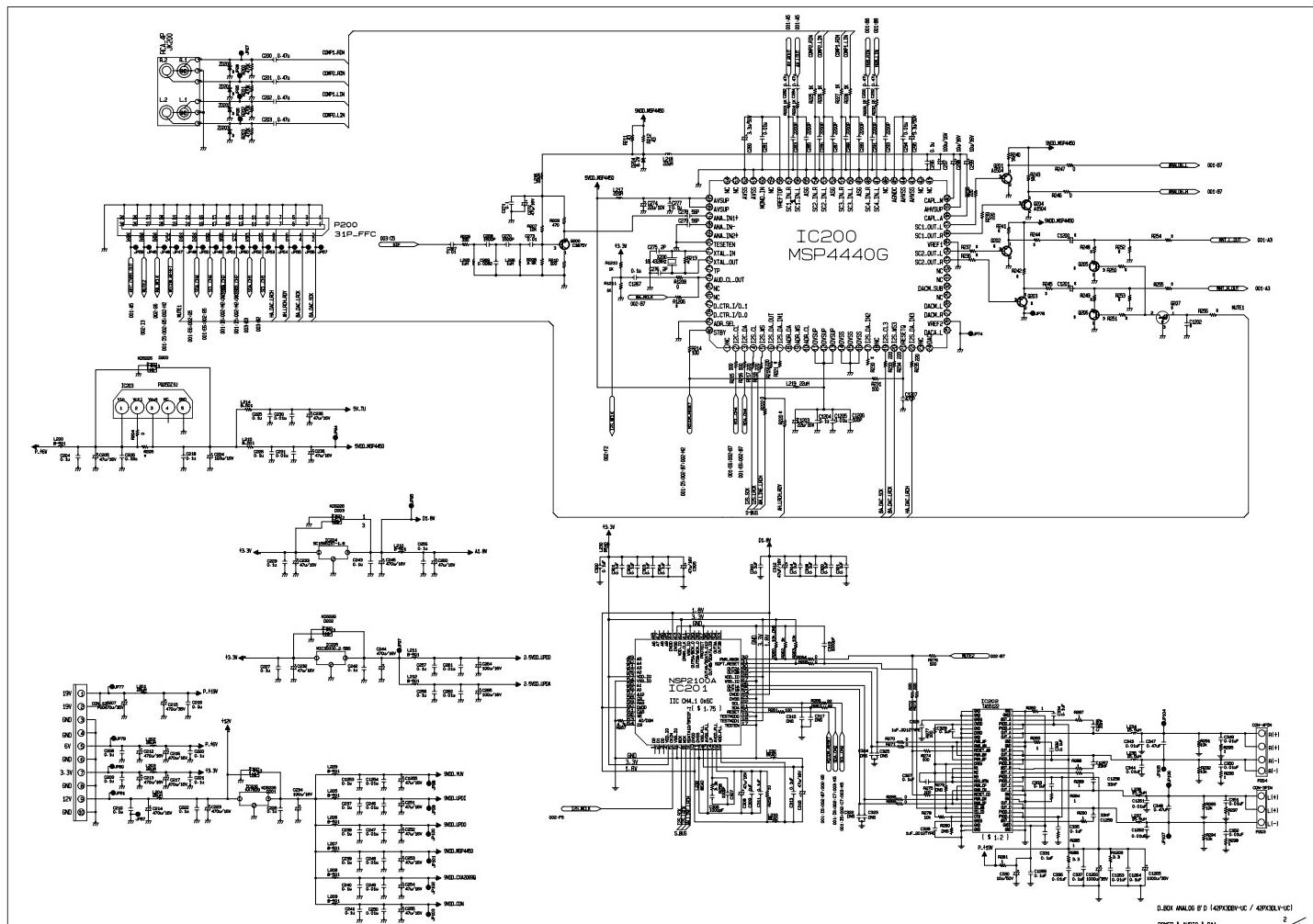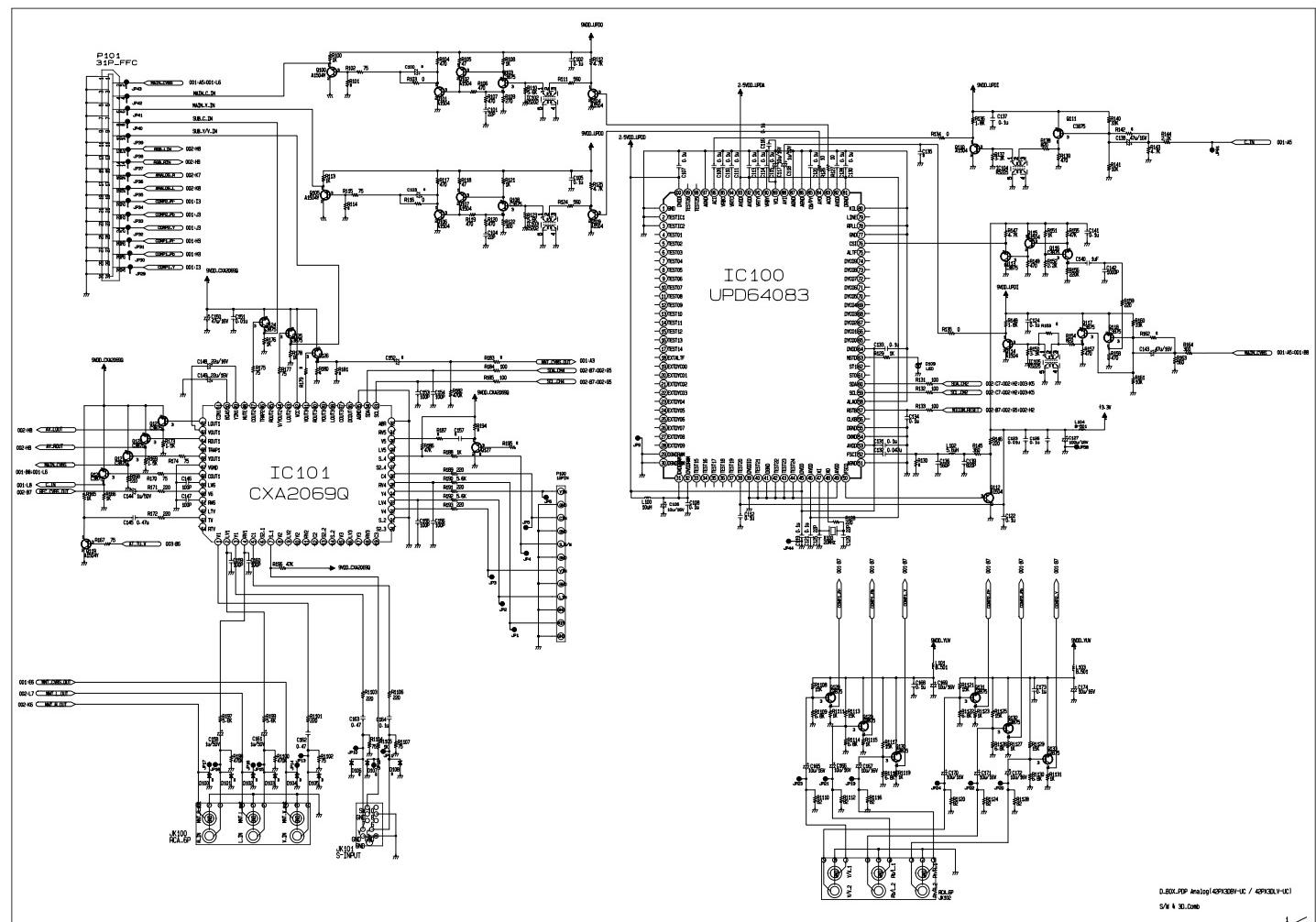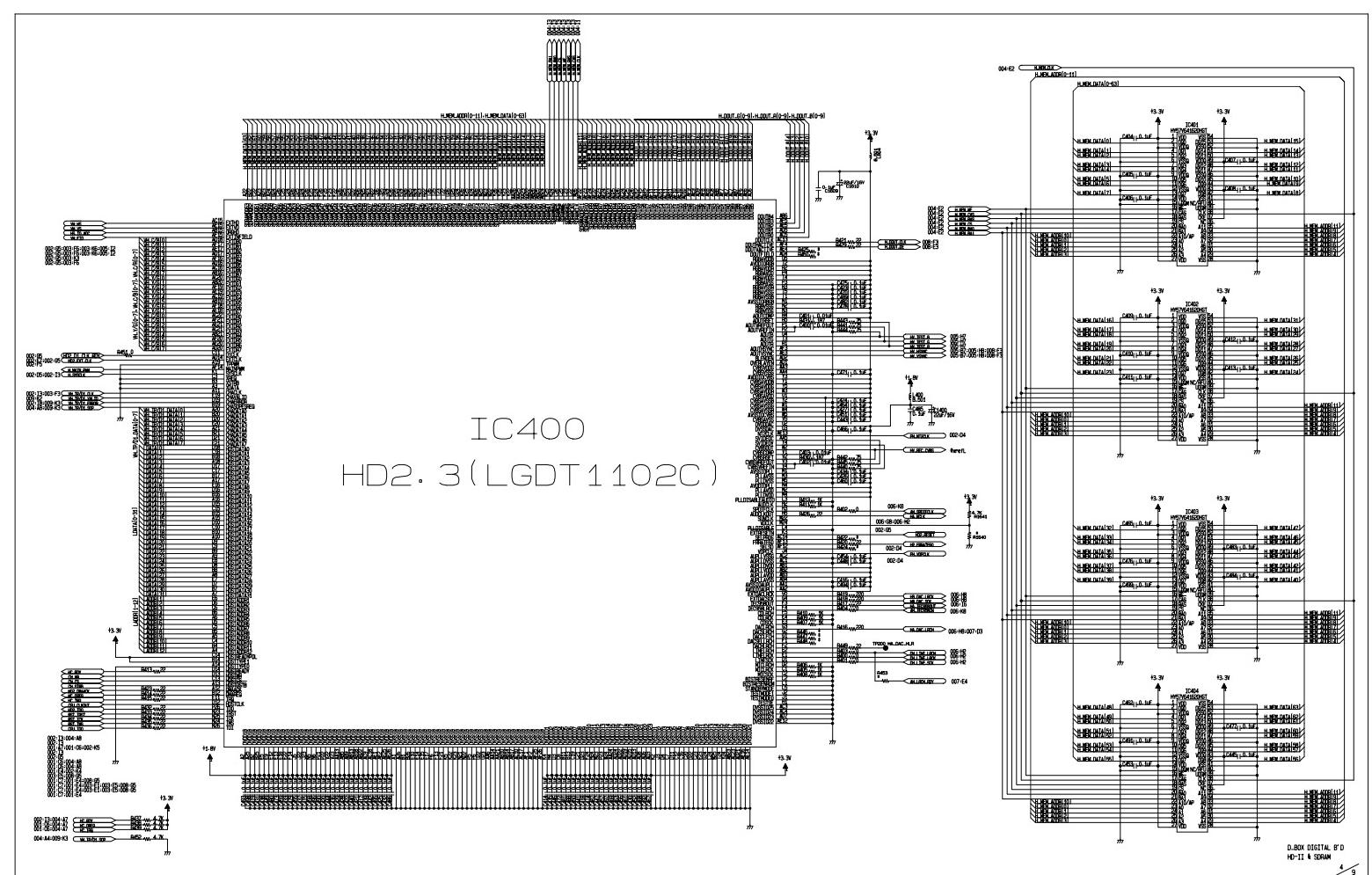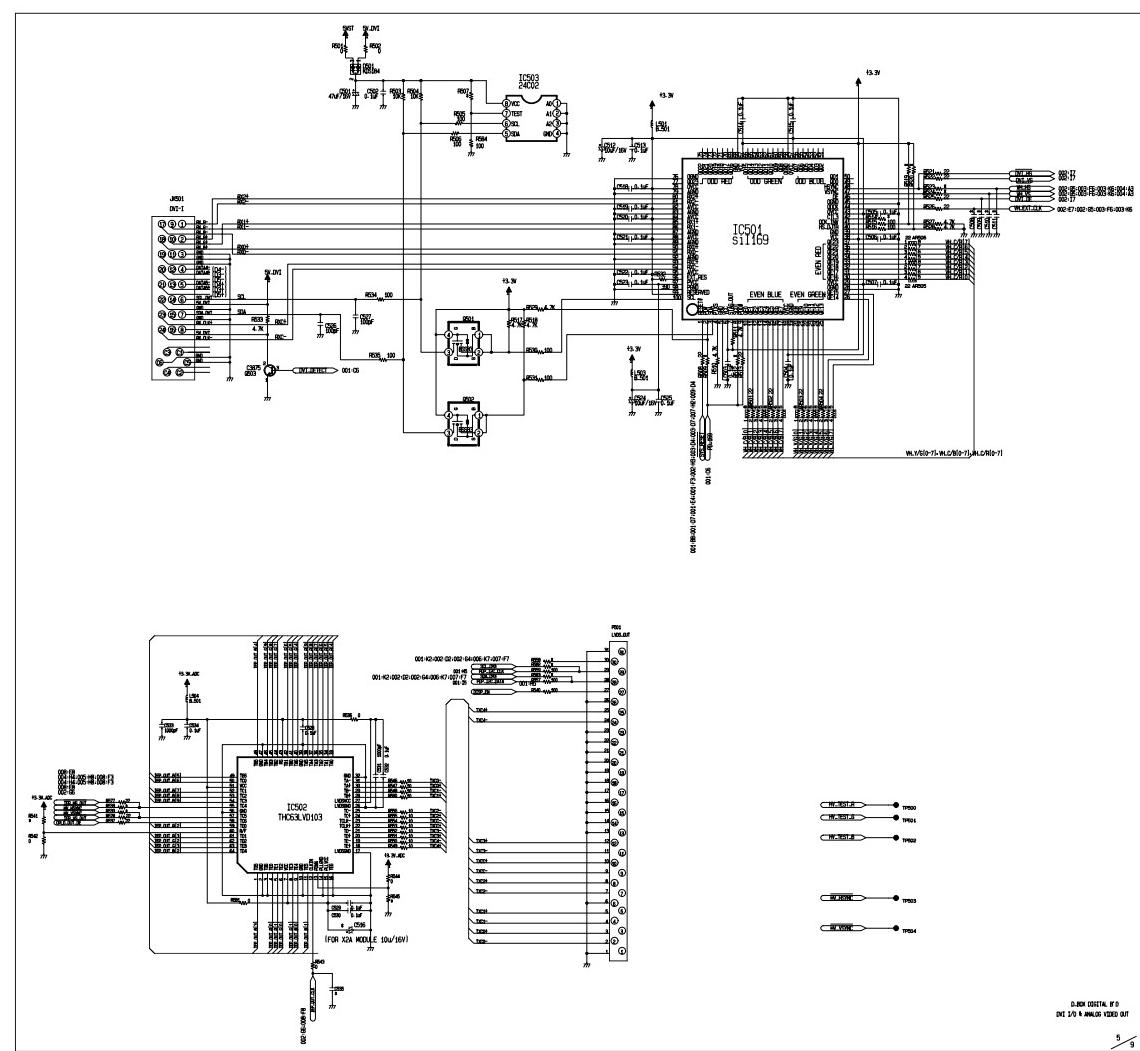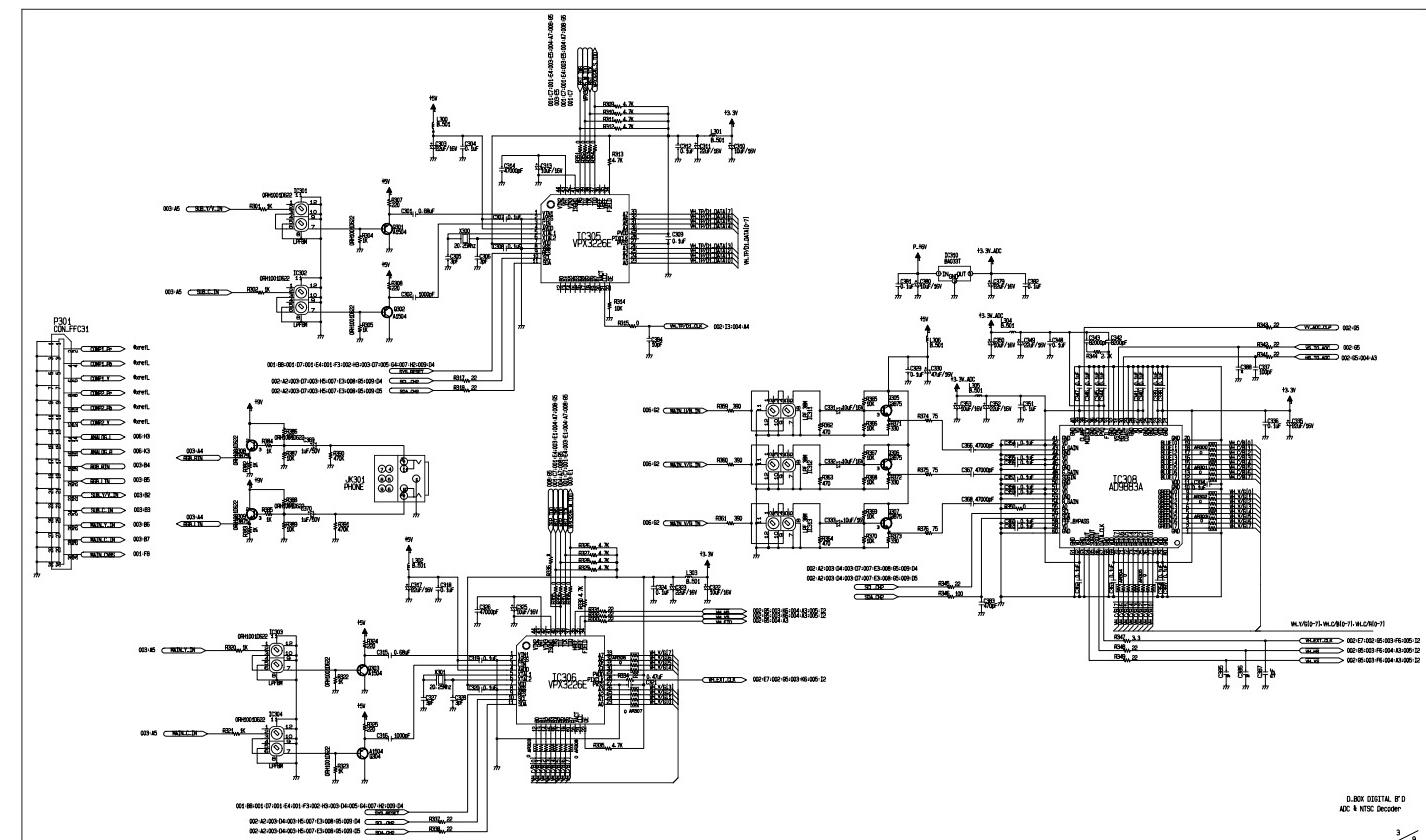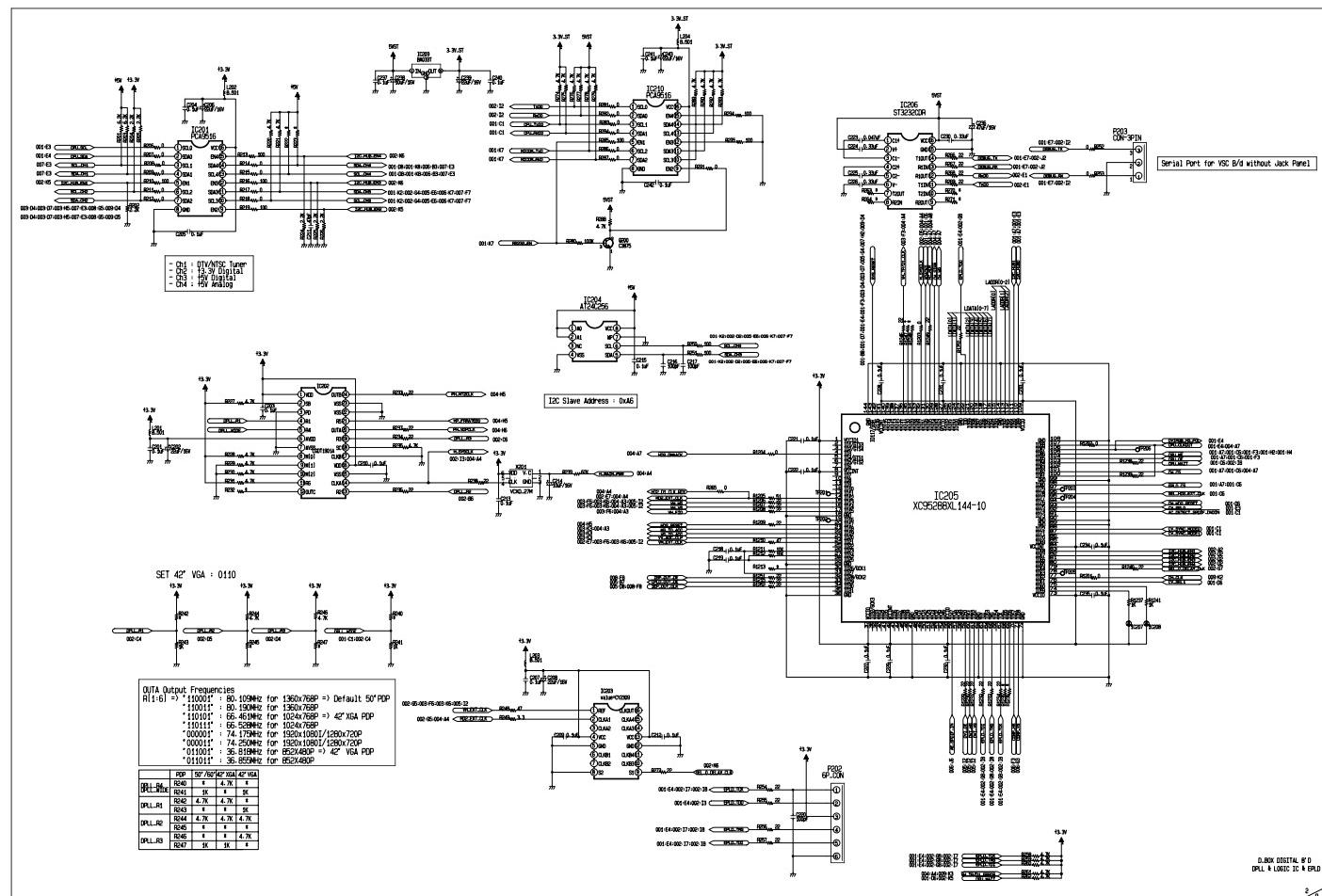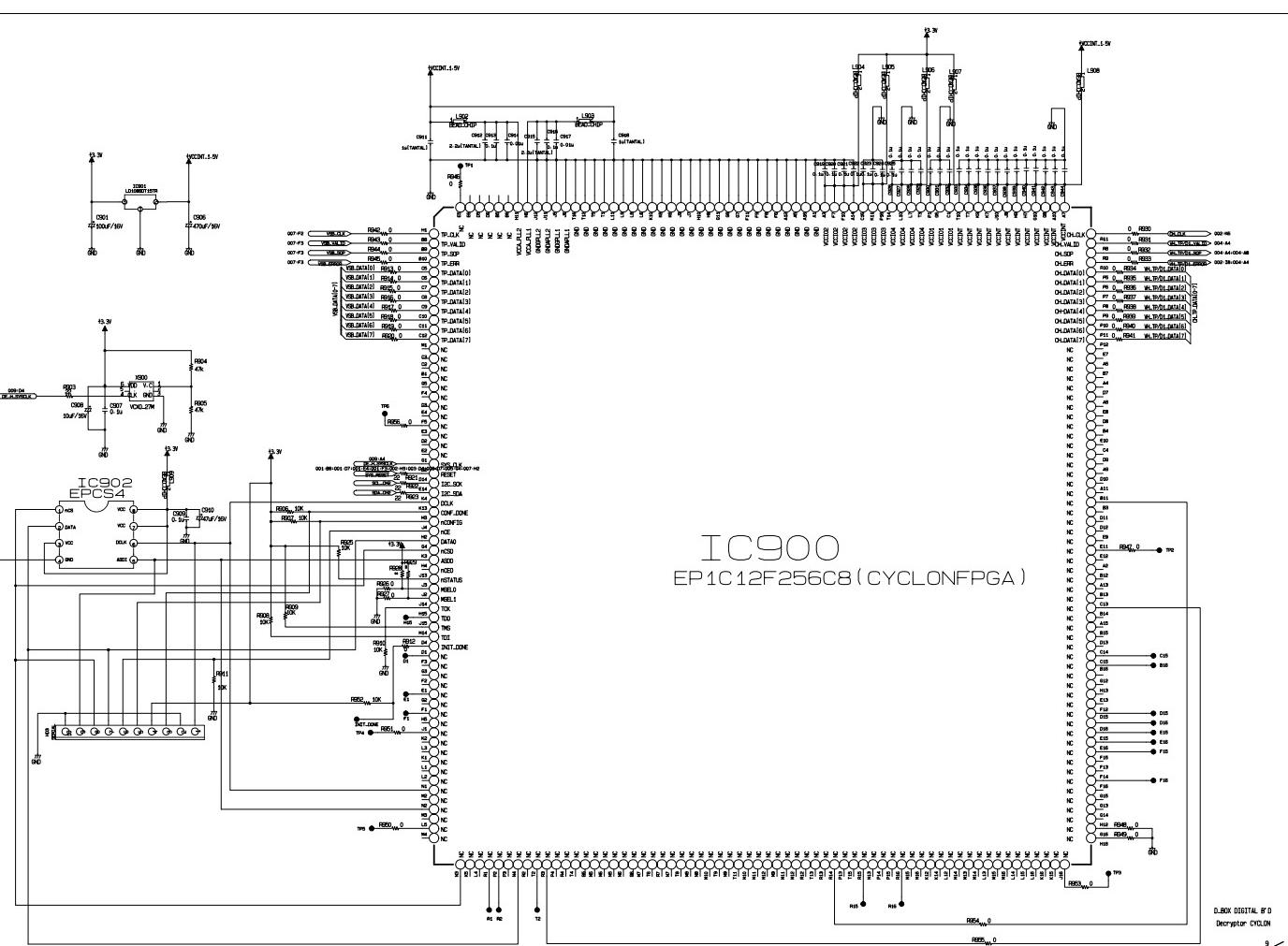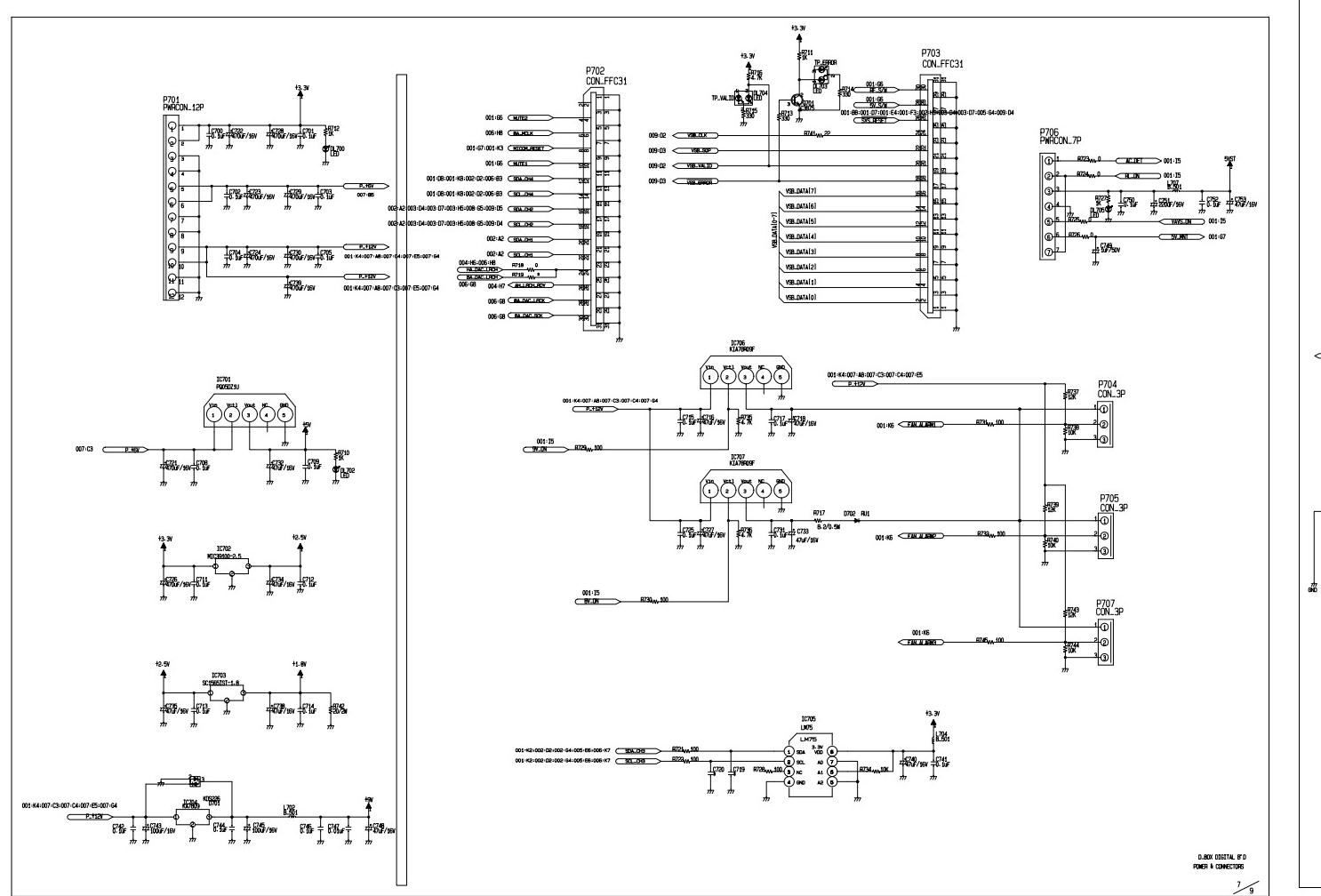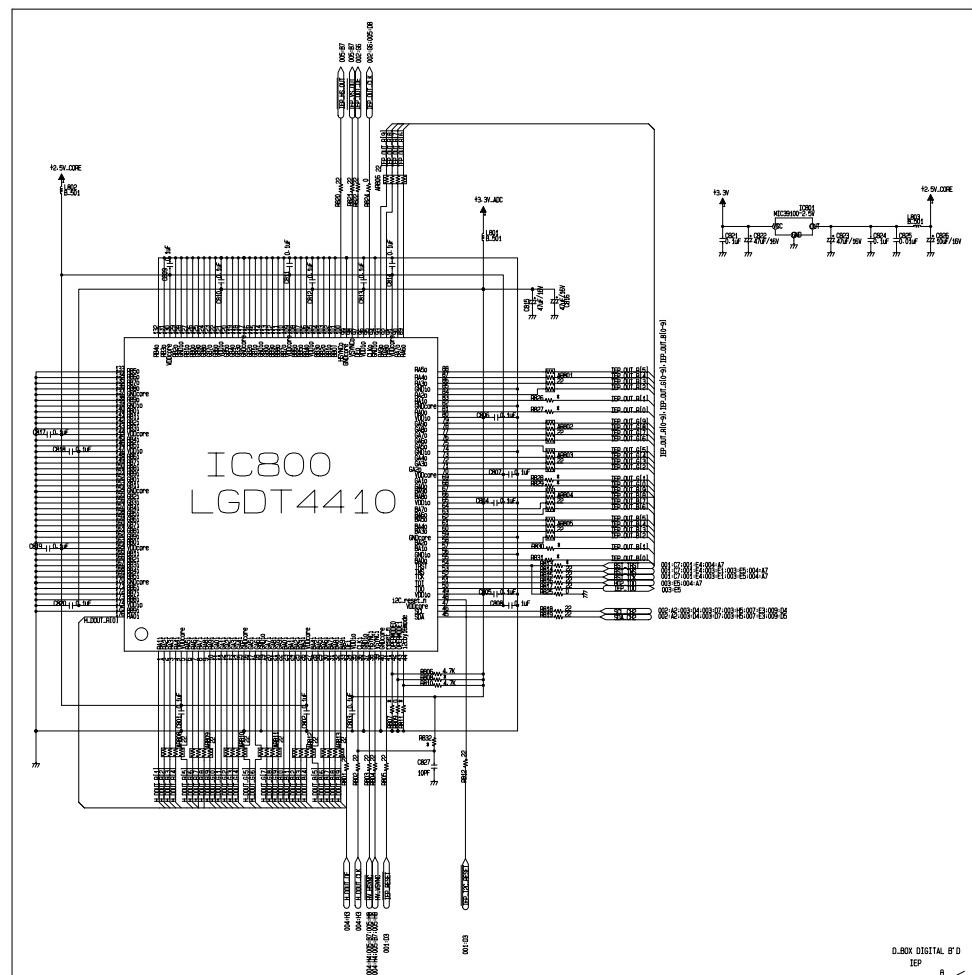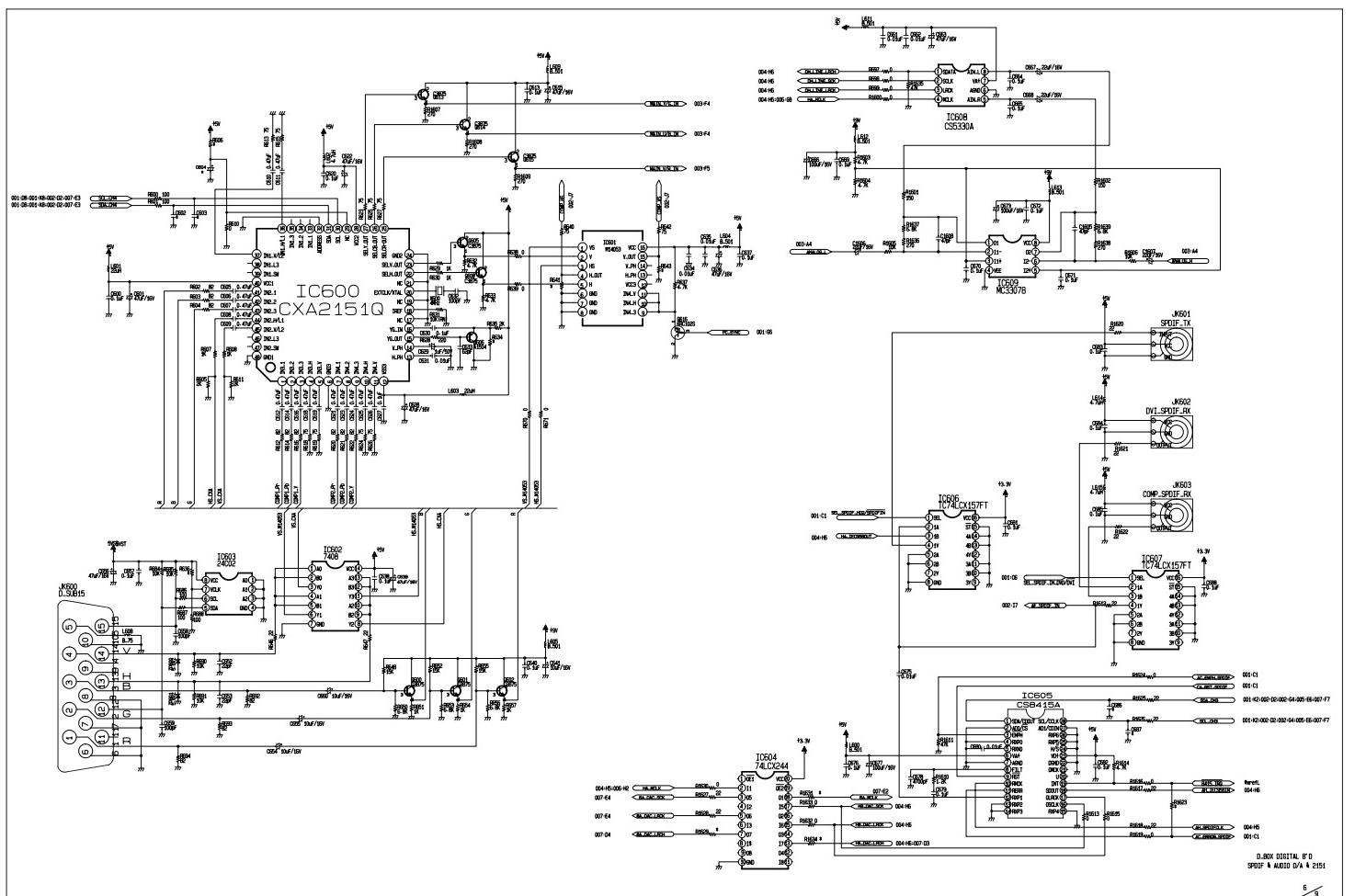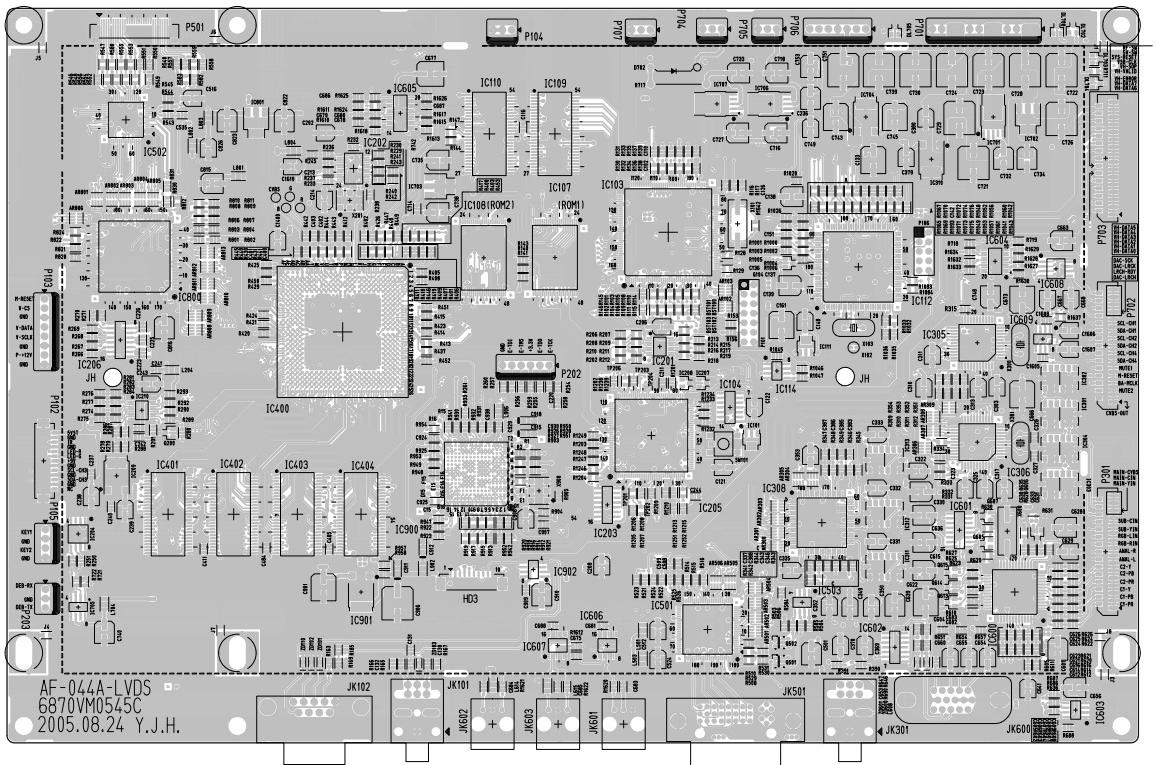
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TUNER(TOP)

AF-044C
68709S0039B
05.08.24
Y.J.H.
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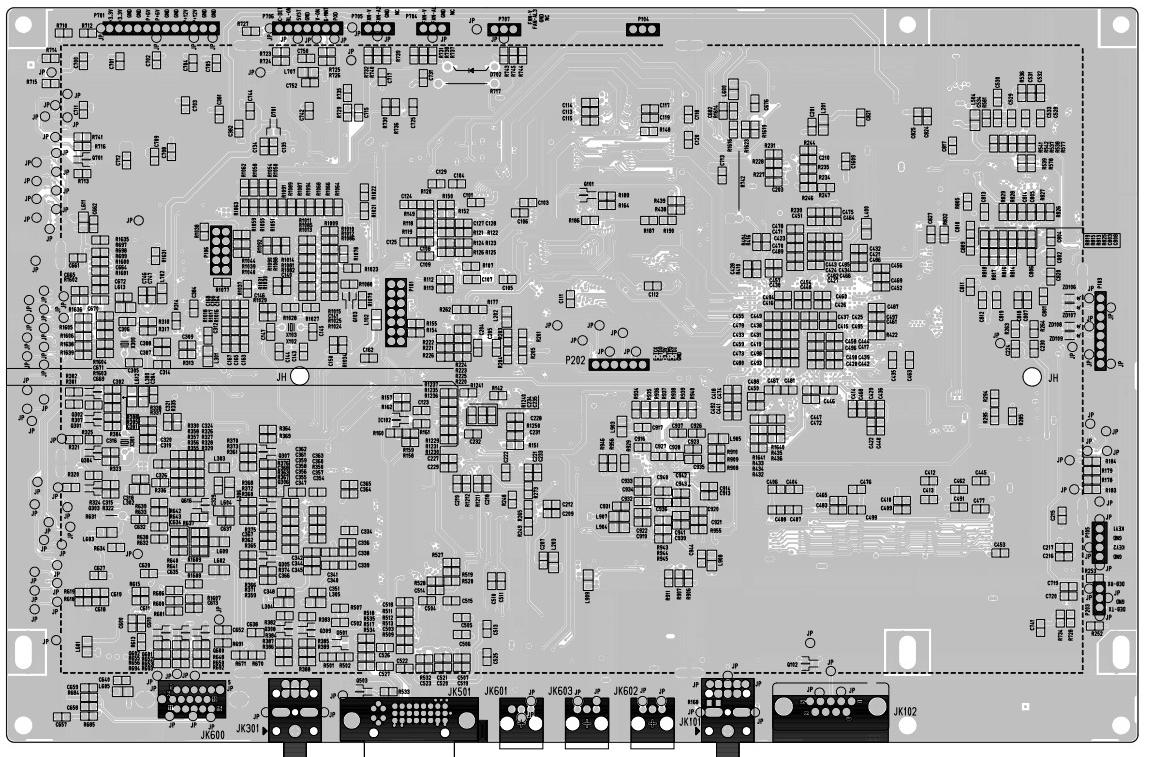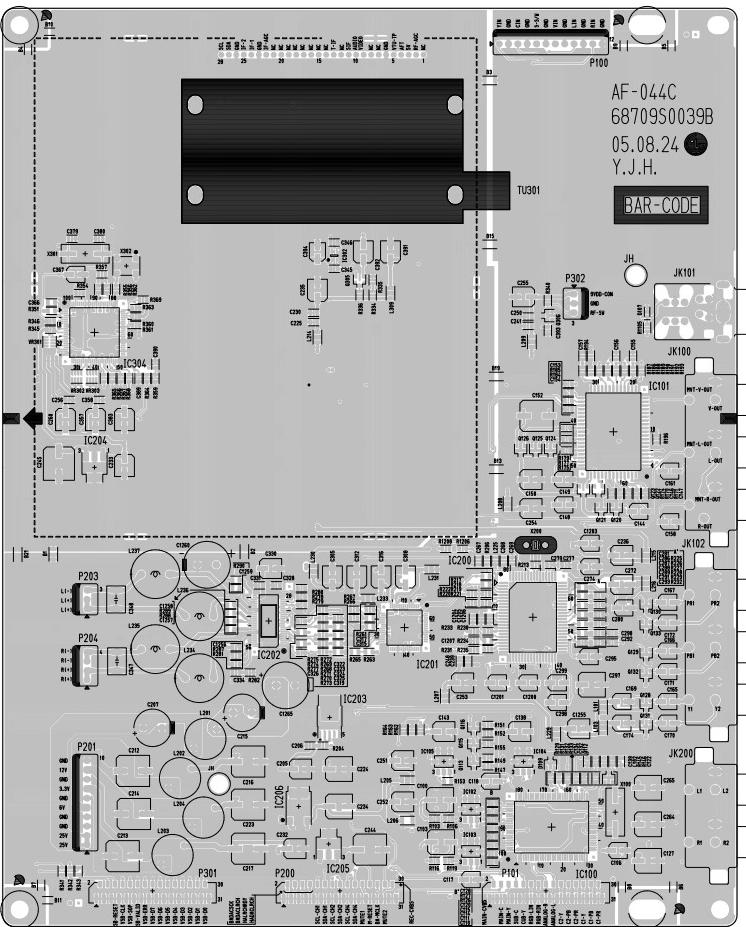
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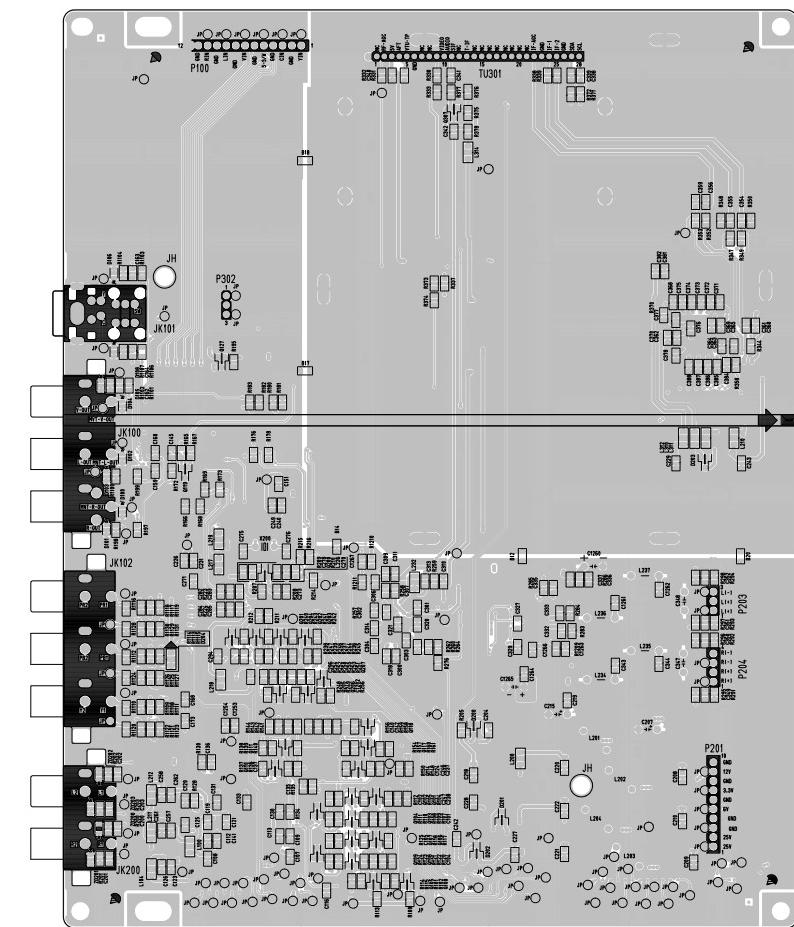
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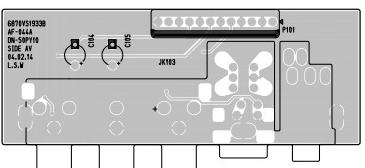
SIDE A/V(BOTTOM)

CONTROL(TOP)

AF-044C 68709C0004A 050518 Y.J.H
P101 PR+   PR-   VOL-   VOL+   OK   MENU   TV/AV   POWER

CONTROL(BOTTOM)

POWER   TV/AV   MENU   OK   VOL-   VOL+   PR-   PR+